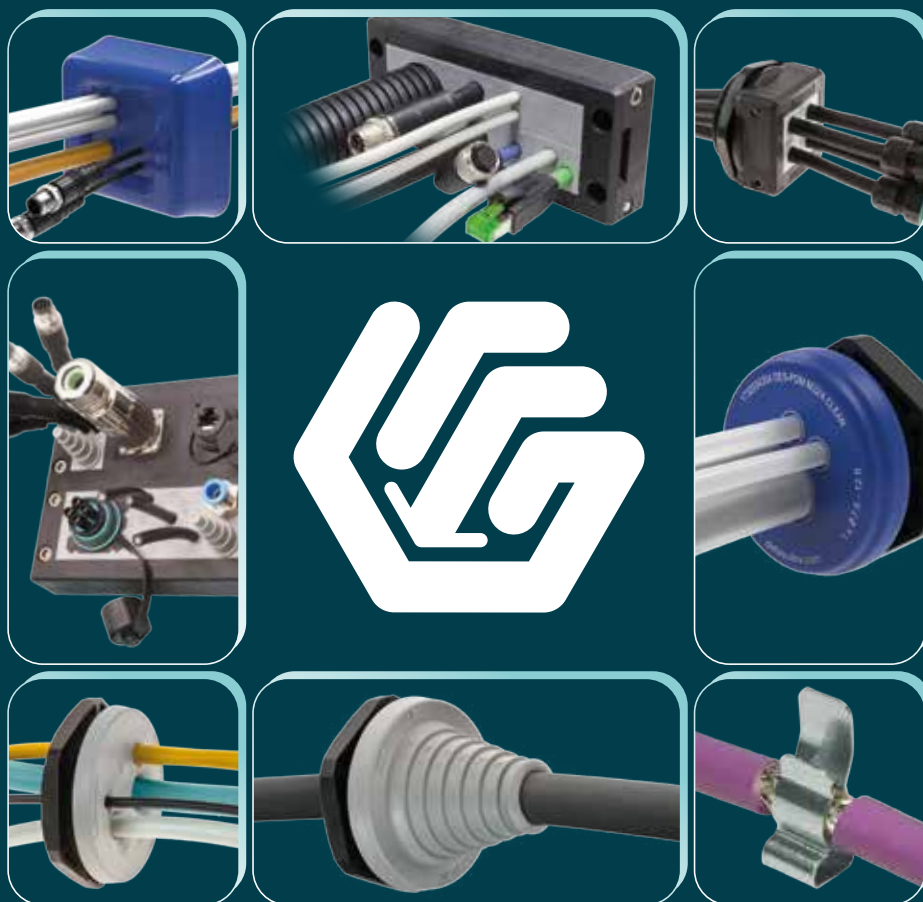


DETASULTRA[®]

solutions around the cable

CATALOG 2025 | VERS. 14 ENG



DIVISIBLE FRAMES FOR CABLES WITH AND WITHOUT CONNECTORS
ENTRY PLATES FOR CABLES WITHOUT CONNECTORS • **STRAIN RELIEF MODULES**
EMC SHIELDING • DIVISIBLE CORRUGATED CONDUITS
ACCESSORIES • ATEX CABLE ENTRY SYSTEMS



▲ **Detas SpA** • Rezzato (Brescia) • Italy

Detas SpA • Pakrac • Croatia ►



Detas SpA presents the **DetasUltra** division, established in 2019 after many years of experience in cable management for electrical cabinets and equipment.

The **DES (Detas Entry System)** solution is designed to simplify the use of cables in electrical equipment, improving liquid tightness, strain relief and EMC, whilst minimising costs.

DetasUltra products have been designed, developed and patented in Italy, thanks to our

technical skills in the in the thermoplastic industry and production equipment.

Our attention to details has driven us to develop innovative and reliable solutions for our customers at a competitive price.

For decades the Detas Group has been specialising in power electronics for sectors such as industrial automation, LED functional lighting, traffic safety and electric vehicle charging.

INDEX

Catalog 2025

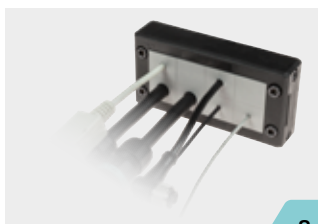
VERS. 14

Please check online
the latest version
of the catalog



SPLITTABLE FRAMES FOR CABLES WITH AND WITHOUT CONNECTORS

GROUP 1



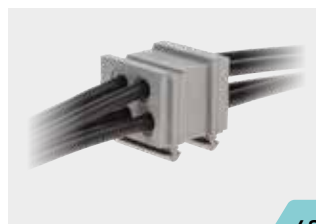
DES splittable frames

8



Divisible cable glands
OSF, DESCLICK, DESPRED

31



SP grommets

43



ISP & DES caps

64



Utility boxes

65



UltraTray 4

67



DES Z brush splittable
frames

68



Hygienic Design Frames
and grommets

72

ENTRY PLATES FOR CABLES WITHOUT CONNECTORS

GROUP 2



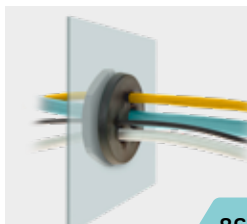
DES PDM

76



DES PDMU

85



DES PDM M

86



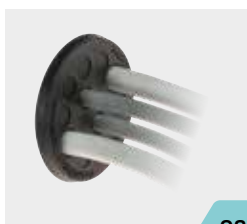
DES PDP

89



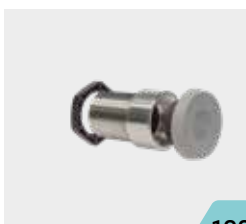
DES PMH

91



DES PM

92



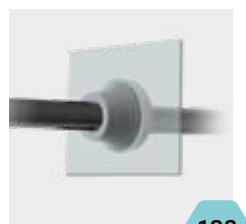
EDM

100



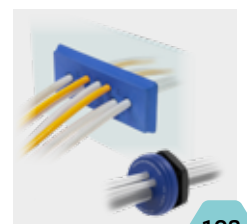
IFP and
DES PDM CAPS

101



RCS

102



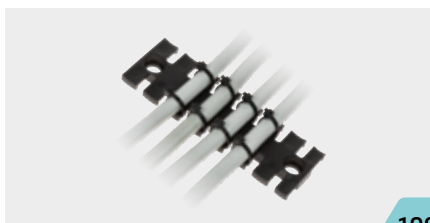
Hygienic Design

103



STRAIN RELIEF MODULES

GROUP 3



Strain relief - AP series

106



DZ Spacers

110



MSTB

111



MFK - MFY - CFP

112



FV Serie

114



FVM Serie

116

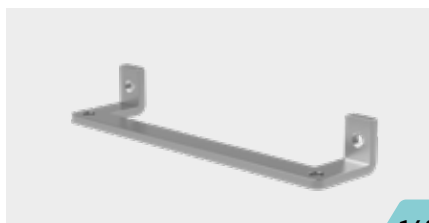
EMC SHIELDING

GROUP 4



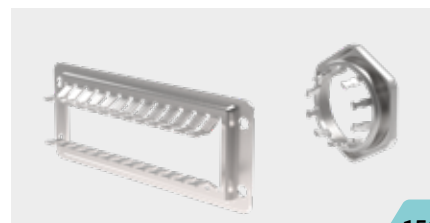
MS Cable clamps

121



EMC brackets

148



EMCZ Series

150



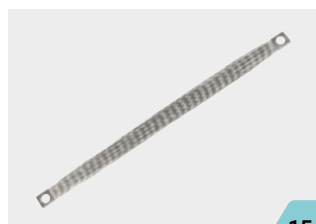
Bases

152



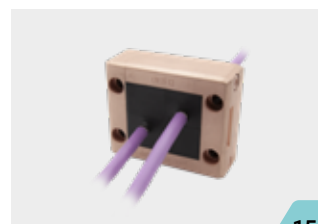
Engineering Box EMC

153



CTX earthing braids

154



EMC frames and grommets

155

DIVISIBLE CORRUGATED CONDUITS

GROUP 5



FL Divisible conduits

158



FW Clips

159

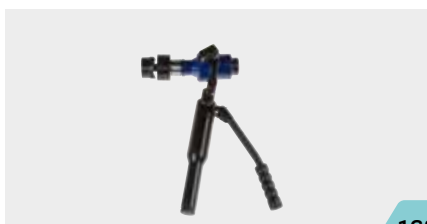
ACCESSORIES

GROUP 6



GKD intumescent gaskets

161



Hydraulic punch driver HY360

162



TG 114 Din rail cutter

163



PF/PFX cable entry system plates

164



SQZ Brushes

167



DemoBox Deluxe

170

ATEX CABLE ENTRY SYSTEMS

GROUP 7



DES A Frames and SP grommets

171



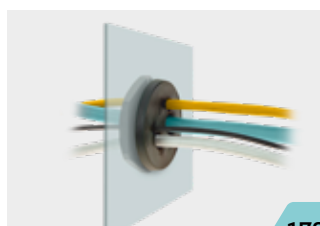
DES PDM A

175



DES PDMU A

178



DES PDM MA

179



DES PDP A

182

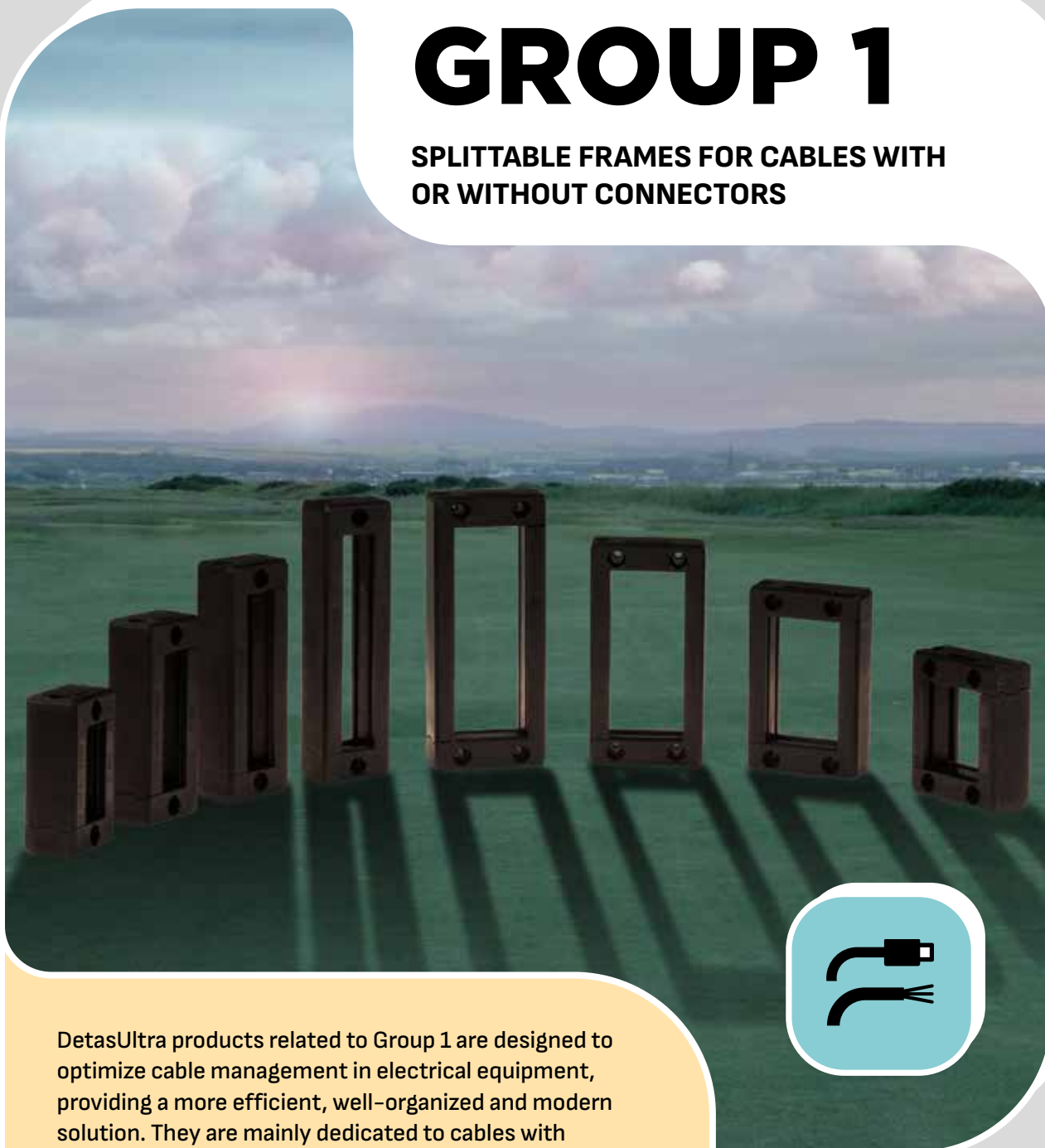


SPP PA - SPG PA

184

GROUP 1

**SPLITTABLE FRAMES FOR CABLES WITH
OR WITHOUT CONNECTORS**



DetasUltra products related to Group 1 are designed to optimize cable management in electrical equipment, providing a more efficient, well-organized and modern solution. They are mainly dedicated to cables with connectors, but the proposed solution s also integrate perfectly with simple cables.

The high quality of the products is guaranteed by the several certifications and awards achieved by our products over the years.



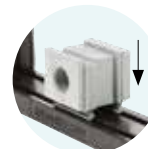
DES 24



Splittable frame for cables with and without connectors

FEATURES

- Multiple configurations in the same frame
- Frame screws in AISI304 Stainless Steel
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0
- ATEX version on request (Group 7)
- Threaded inserts version on request
- Max 40 cables



The DES 24 cable entry system consists of a splittable frame designed to accommodate small (SPP), multiple (X) or large (SPG) grommets for cables with and without connectors. The grommets can be freely positioned into the frame.

With all combinations of grommets, single, double, quadruple, big, the IP66 and NEMA 4X* are guaranteed.

The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing of the system.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

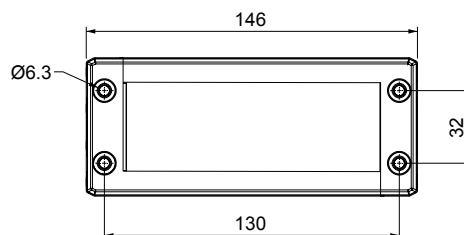
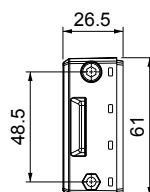
- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- DES Flap (page 29)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- DES caps (page 64)
- Intumescent gasket (page 161)



* Indoor only

Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 24	1731010024		112 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



IP66

NEMA
12, 4X*

UL TYPE
12, 4X

UL94-V0

HL3
EN 45545-2

EIAS
EN1363-1

ECOLAB

APPROVED
MARINE TYPE

UV
ISO 4892-2A

RoHS
COMPLIANT

IK10

EX
ZONE 2/22



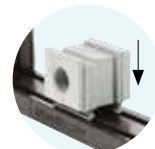
DES 16



Splittable frame for cables with and without connectors

FEATURES

- Multiple configurations in the same frame
- Frame screws in AISI304 Stainless Steel
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0
- ATEX version on request (Group 7)
- Threaded inserts version on request
- Max 32 cables



The DES 16 cable entry system consists of a splittable frame designed to accommodate small (SPP), multiple (X) or large (SPG) grommets for cables with and without connectors. The grommets can be freely positioned into the frame.

With all combinations of grommets, single, double, quadruple, big, the IP66 and NEMA 4X* are guaranteed.

The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing of the system.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

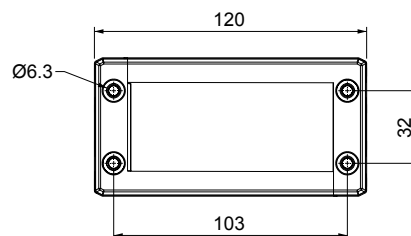
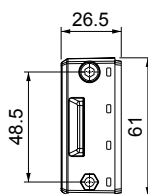
- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- DES Flap (page 29)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- DES caps (page 64)
- Intumescent gasket (page 161)



* Indoor only

Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 16	1731010016		86 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



1



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



IK10





DES 10



Splittable frame for cables with and without connectors

FEATURES

- Multiple configurations in the same frame
- Frame screws in AISI304 Stainless Steel
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0
- ATEX version on request (Group 7)
- Threaded inserts version on request
- Max 24 cables



The DES 10 cable entry system consists of a splittable frame designed to accommodate small (SPP), multiple (X) or large (SPG) grommets for cables with and without connectors. The grommets can be freely positioned into the frame.

With all combinations of grommets, single, double, quadruple, big, the IP66 and NEMA 4X* are guaranteed.

The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing of the system.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

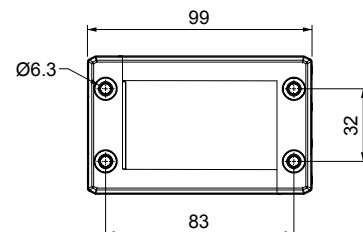
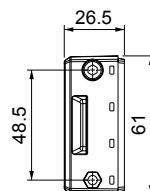
Temperature: -40°C... +155°C (static)

Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 10	1731010010		63 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- DES Flap (page 29)
- HY360 hydraulic punch driver (page 162)
- DES caps (page 64)
- Intumescent gasket (page 161)

Dimensions (mm)



* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



IK10





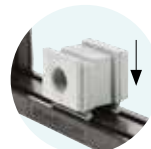
DES Q



Splittable frame for cables with and without connectors

FEATURES

- For 4 small grommets or 1 big grommet
- Frame screws in AISI304 Stainless Steel
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0
- ATEX version on request (Group 7)
- Threaded inserts version on request
- Max 16 cables



The DES Q cable entry system consists of a splittable frame designed to accommodate small (SPP), multiple (X) or large (SPG) grommets for cables with and without connectors.

With all combinations of grommets, single, double, quadruple, big, the IP66 and NEMA 4X* are guaranteed.

The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing of the system.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

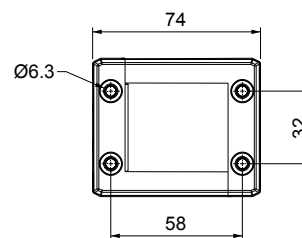
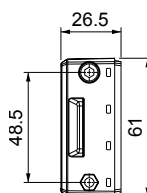
Temperature: -40°C... +155°C (static)

Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES Q	1731010008		40 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- DES Flap (page 29)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- DES caps (page 64)
- Intumescent gasket (page 161)

Dimensions (mm)



* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



IK10





DES L1 / L2 / L3

Splittable frame for cables with and without connectors



FEATURES

- For 1, 2 or 3 small SPP grommets
- Frame screws in AISI304 Stainless Steel
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0
- ATEX version on request (Group 7)
- Threaded inserts version on request



The DES L1, L2, L3 cable entry system consists of a splittable frame designed to accommodate small (SPP) grommets for cables with or without connectors. With all combinations of grommets, single, double, quadruple, the IP66 and NEMA 4X* are guaranteed. The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing of the system.

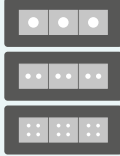
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- SPP grommets (from page 49)
- HY360 hydraulic punch driver (page 162)
- DES caps (page 64)

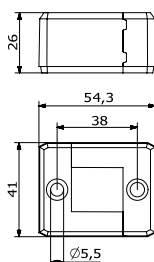
Model	Code	Some possible configurations	Max. cut-out (mm)	Pcs (/pack)
DES L1	1731010001		21 x 18	10
DES L2	1731010002		40 x 18	
DES L3	1731010003		63 x 18	
Upon request	1731991010	Set of 2 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)

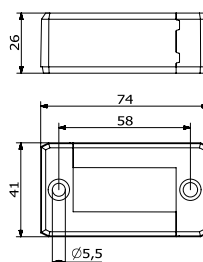


* Indoor only

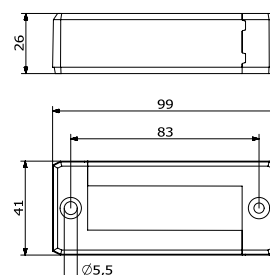
DES L1



DES L2



DES L3



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB

UL94-V0



RoHS COMPLIANT

IK10





DES L4 / L5



Splittable frame for cables with and without connectors

FEATURES

- For 4 or 5 small SPP grommets
- Frame screws in AISI304 Stainless Steel
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0
- ATEX version on request (Group 7)
- Threaded inserts version on request

The DES L4 / L5 cable entry system consists of a splittable frame designed to accommodate small (SPP) grommets for cables with or without connectors. With all combinations of grommets, single, double, quadruple, the IP66 and NEMA 4X* are guaranteed.

The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing of the system.

Material: PP+GF, halogens and silicones free

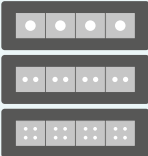
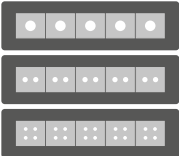
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

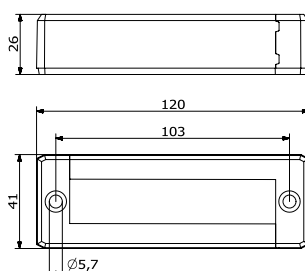
- SPP grommets (from page 49)
- HY360 hydraulic punch driver (page 162)
- DES caps (page 64)



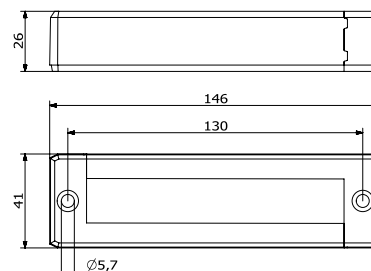
Model	Code	Some possible configurations	Max. cut-out (mm)	Pcs (/pack)
DES L4	1731010004		86 x 18	10
DES L5	1731010005		112 x 18	
Upon request	1731991010	Set of 2 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)

DES L4



DES L5



* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB



IK10





DES FT



Splittable frame with threaded inserts

FEATURES

- Flat surface without dirt deposit
- **Rear installation with M4 threaded inserts**
- IP66 and NEMA 4X* certified with all configurations of grommets
- Strain relief according to EN 62444
- Sturdy construction IK10
- Overmolded gasket acc. to UL94-V0

The DES FT splittable frames are equipped with threaded inserts and with front taps which allow the installation on the rear part of the panel and keep the front part clean avoiding dirt accumulation.

All the other technical data of the DES FT frames are exactly the same of DES Series.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- DES Flap (page 29)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- DES caps (page 64)



M4 threaded inserts



Model	Code	Some possible configurations	Max. cut-out (mm)	Pcs (/pack)
DES L1 FT	1731410001		21 x 18	10
DES L2 FT	1731410002		40 x 18	50
DES L3 FT	1731410003		63 x 18	
DES L4 FT	1731410004		86 x 18	
DES L5 FT	1731410005		112 x 18	
DES Q FT	1731410008		40 x 36	
DES 10 FT	1731410010		63 x 36	
DES 16 FT	1731410016		86 x 36	
DES 24 FT	1731410024		112 x 36	

* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB



IK10





DES 90



Splittable frame for cables with and without connectors

FEATURES

- 90° cable entry
- Multiple configurations in the same frame
- Frame screws in AISI304 Stainless Steel
- IP54
- Strain relief according to EN 62444
- Sturdy construction IK10
- Max 40 cables

The 90° cable entry system DES-90 is used when the machinery construction does not allow the straight cables entrance, or when a nice design is requested.

This cable entry system is suitable for both cables with or without connectors and corrugated conduits, or a mix of them.

The grommets can be freely accommodated into the frame.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing

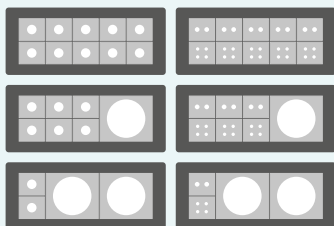
acc. to UL94-V0

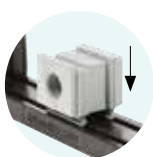
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

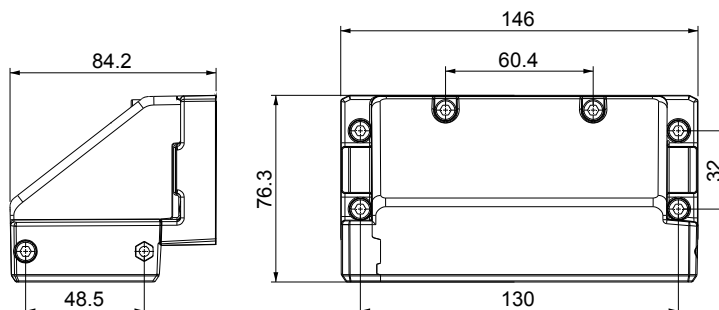
- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- HY360 hydraulic punch driver (page 162)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 24-90	1731010124		112 x 36	1



Dimensions (mm)



IP54

NEMA
12

UL TYPE
12

HL3
EN 45545-2



ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT

IK10



DES 24M



Splittable frame for cables with and without connectors

FEATURES

- Multiple configurations with small and big grommets
- Frame screws in AISI304 Stainless Steel
- External gasket included
- Strain relief according to EN 62444
- Sturdy construction IK10
- IP54
- Max 40 cables

The DES 24M splittable frame allows up to 40 cables with or without connector or one or two cables up to 35mm diameter to be routed through electric cabinet or machines panels.

The small and big grommets can be placed inside the frame in any position.

The DES 24M frame is the base structure for the modular MX version.

Material: PP+GF, halogens and silicones free

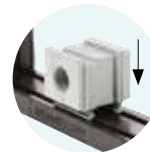
Flammability: self-extinguishing

acc. to UL94-V0

Temperature: -40°C... +155°C (static)

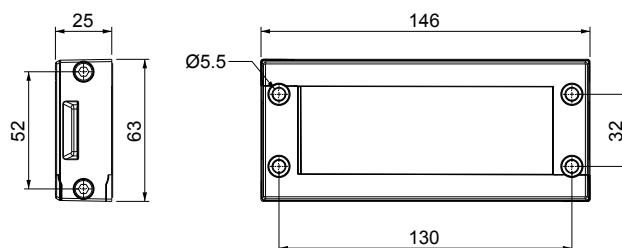
RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- DES caps (page 64)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 24M	1731010224		112 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



Tutorial



IP54

NEMA
12



ECOLAB



IK10



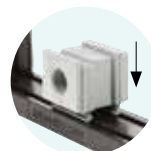
DES 24MX15



Splittable frame for cables with and without connectors

FEATURES

- Multiple configurations in the same frame
- Frame screws in AISI304 Stainless Steel
- IP54
- Strain relief acc. to EN 62444
- Sturdy construction IK10
- External gasket included



The DES 24MX15 splittable frame allows up to 60 cables with or without connector or one or two cables up to 35mm to be routed through electric cabinet or machines walls. The small and big grommets can be freely positioned inside the frame.

The DES 24MX15 is tightened thanks to three stainless steel screws on the right side.

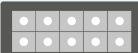
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

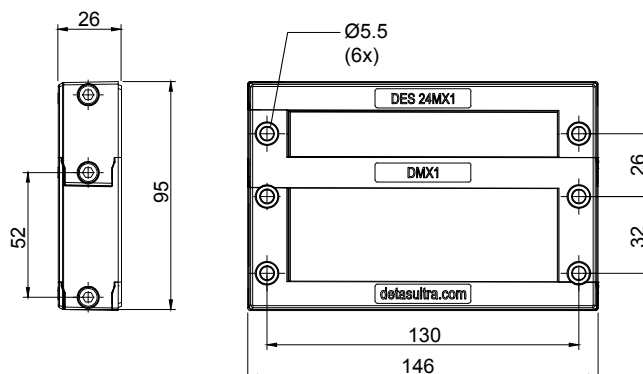
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)

Model	Code	Some possible configurations for lower module	Dimensions (mm)	Max. cut-out (mm)	Pcs (/pack)
 DES 24MX15	1731010215	     	146 x 95,4	114 X 70	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing			

Dimensions (mm)



IP54

NEMA 12



ECOLAB



IK10



DES 24MX

Modular frame for cables with and without connectors



FEATURES

- Modular, limitless solution
- Multiple configurations with small and big grommets
- Frame screws in AISI304 Stainless Steel
- IP54
- Strain relief according to EN 62444
- Sturdy construction IK10
- External gasket included



The DES 24MX splittable frames family is a modular solution for installations where a big quantity of cables need to be routed through electrical cabinets walls or panels. This solution is modular and can be used as a main cable entry systems in the cabinets. Both cables with or without connector can be routed (40 for each module) and future updates can be easily organized in the cheapest and fastest way.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. UL94-V0

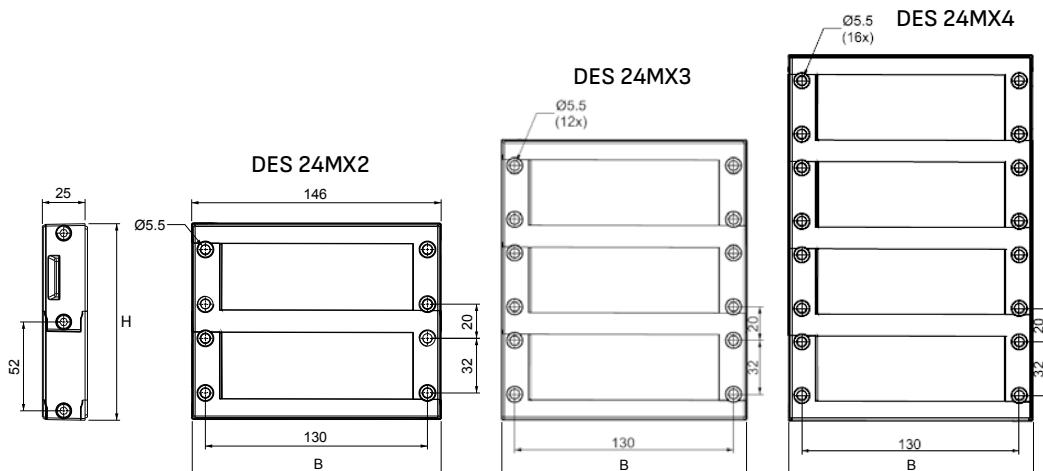
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES caps (page 64)

Model	Code	Some possible configurations for each module	Dimensions B x H (mm)	Max. cut-out (mm)	Pcs (/pack)	
 DES 24MX2	1731010252	 	146 x 115	114 x 92	1	
 DES 24MX3	1731010253	  	146 x 167	114 x 144		
 DES 24MX4	1731010254	  	146 x 219	114 x 196		
Other models upon request						
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing				

Dimensions (mm)



Tutorial



IP54

NEMA 12



ECOLAB



IK10



DES 16M



Splittable frame for cables with and without connectors

FEATURES

- Multiple configurations with small and big grommets
- Frame screws in AISI304 Stainless Steel
- External gasket included
- Strain relief according to EN 62444
- Sturdy construction IK10
- IP54

The DES 16M splittable frame allow up to 32 cables with or without connector or one or two cables up to 35mm diameter to be routed through electric cabinets or machines panels. The small and big grommets can be placed inside the frame in any position. The DES 16M frame is the base structure for the modular MX version.

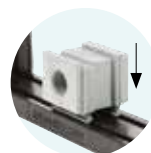
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 including gasket

Temperature: -40°C... +155°C (static)

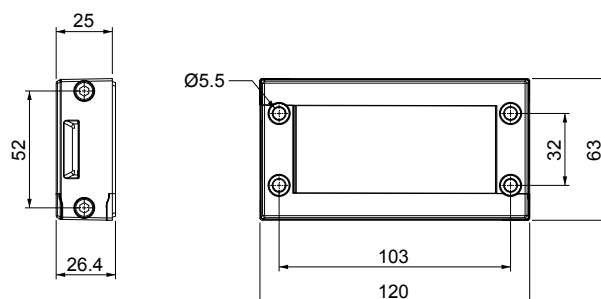
RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES Cover (page 28)
- HY360 hydraulic punch driver (page 162)
- DES caps (page 64)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 16M	1731010216		86 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



IP54

NEMA
12



ECOLAB



IK10



DES 16MX



Modular frames for cables with and without connectors

FEATURES

- Modular, limitless solution
- Multiple configurations with small and big grommets
- Frame screws in AISI304 Stainless Steel
- IP54
- Strain relief according to EN 62444
- Sturdy construction IK10
- External gasket included

The DES 16MX splittable frames family is a modular solution for installations where a big quantity of cables need to be routed through electrical cabinets walls or panels. This solution is modular and can be used as a main cable entry systems in the cabinets. Both cables with or without connector can be routed (32 for each module) and future updates can easily be organized in the cheapest and fastest way.

Material: PP+GF, halogens and silicones free

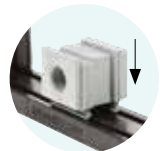
Flammability: self-extinguishing

acc. to UL94-V0 including gasket

Temperature: -40°C... +155°C (static)

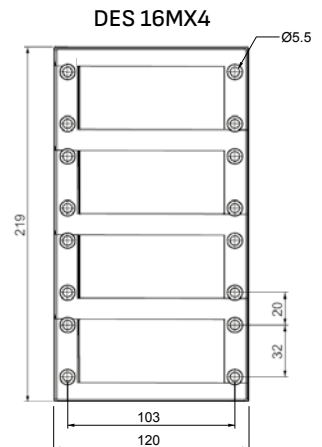
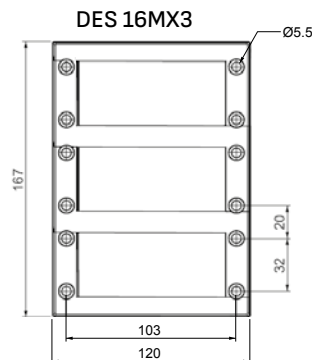
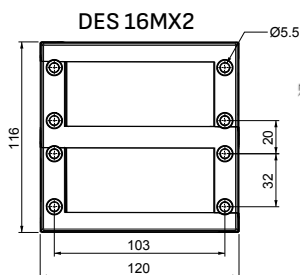
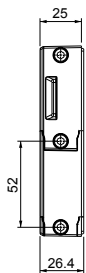
RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- DES caps (page 64)



Model	Code	Some possible configurations for each module	Dimensions (mm)	Max. cut-out (mm)	Pcs (/pack)	
 DES 16MX2	1731010262		120 x 115	86 x 92	1	
 DES 16MX3	1731010263		120 x 167	86 x 144		
 DES 16MX4	1731010264		120 x 219	86 x 196		
Other models upon request						
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing				

Dimensions (mm)



IP54

NEMA 12



ECOLAB



IK10



DES 24 CLICK



Splittable frame for cables with and without connectors

FEATURES

- For SPC and SPL grommets
- Without screws, snap closing
- Strain relief according to EN 62444
- Compact size
- IP54
- External gasket acc. to UL94-V0

The DES 24 CLICK splittable frame allows to accommodate up to 40 cables with or without connectors with diameters from 2 to 31 mm. The frame is firmly closed with two side hooks. The frame can hold 10 small grommets or 1 big grommet and 6 small grommets.

Material: PC+GF, halogens and silicones free

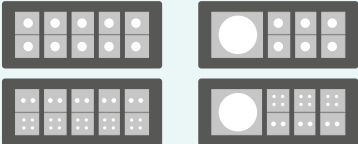
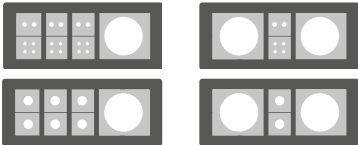
Flammability: self-extinguishing acc. to UL94-V0 including gasket

Temperature: -40°C... +130°C (static)

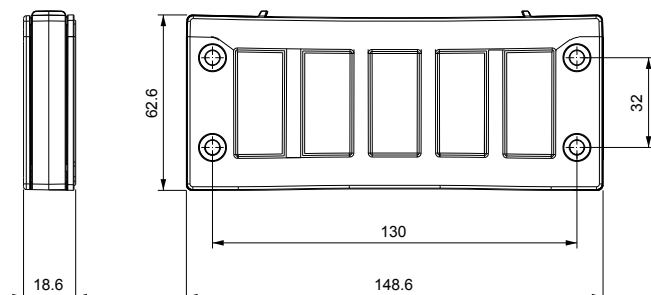
RELATED PRODUCTS

- SPC grommets (from page 44)
- SPL grommets (from pages 47)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 24 CLICK	1731010324		112 x 36	10
DES 24/2 CLICK	1731010326			
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



Tutorial



DES 24/2 CLICK



IP54

NEMA
12

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT

IK10



DES 16 CLICK



Splittable frame for cables with and without connectors

FEATURES

- For SPC and SPL grommets
- Without screws, snap closing
- Strain relief according to EN 62444
- Compact size
- IP54
- External gasket acc. to UL94-V0 included

The DES 16 CLICK splittable frame allows to accommodate up to 32 cables with or without connectors with diameters from 2 to 32 mm. The frame is firmly closed with two side hooks. The frame can hold 8 small grommets or 1 big grommet and 4 small grommets.

Material: PC+GF, halogens and silicones free

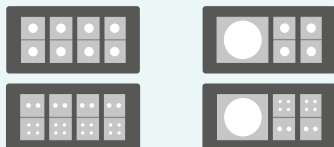
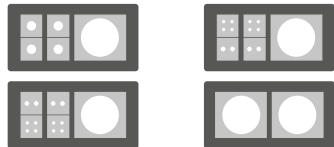
Flammability: self-extinguishing acc. to UL94-V0 including gasket

Temperature: -40°C... +130°C (static)

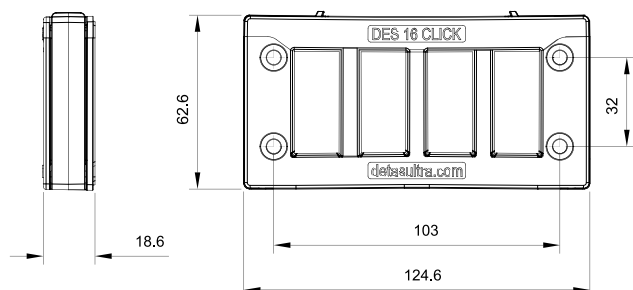
RELATED PRODUCTS

- SPC grommets (from page 44)
- SPL grommets (from pages 47)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 16 CLICK	1731010316		86 x 36	10
DES 16/2 CLICK	1731010317			
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



Tutorial



DES 16/2 CLICK



IP54

NEMA 12



IK10



DES 10 CLICK



Splittable frame for cables with and without connectors

FEATURES

- For SPC and SPL grommets
- Without screws, snap closing
- Strain relief according to EN 62444
- Compact size
- IP54
- External gasket acc. to UL94-V0 included

The DES 10 CLICK splittable frame allows to accommodate up to 24 cables with or without connectors with diameters from 2 to 32 mm. The frame is firmly closed with two side hooks.

The frame can hold 6 small grommets or 1 big grommet and 2 small grommets.

Material: PC+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 including gasket

Temperature: -40°C... +130°C (static)

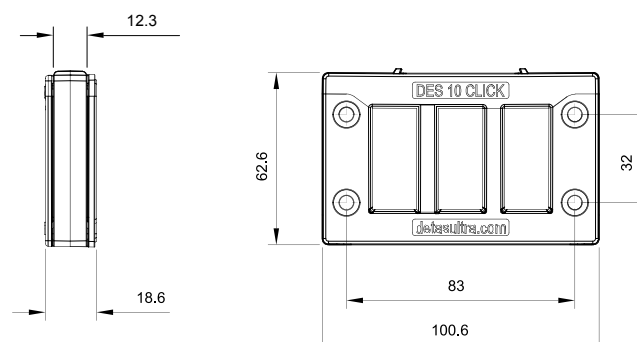
RELATED PRODUCTS

- SPC grommets (from page 44)
- SPL grommets (from pages 47)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES 10 CLICK	1731010310		63 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



Tutorial



IP54

NEMA
12



IK10



DES Q CLICK



Splittable frame for cables with and without connectors

FEATURES

- For SPC and SPL grommets
- Without screws, snap closing
- Strain relief according to EN 62444
- Compact size
- IP54
- External gasket acc. to UL94-V0 included

The DES Q CLICK splittable frame allows to accommodate up to 16 cables with or without connectors with diameters from 2 to 32 mm. The frame is firmly closed with two side hooks. The same frame can hold 4 small grommets or 1 big grommet.

Material: PC+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 including gasket

Temperature: -40°C... +130°C (static)

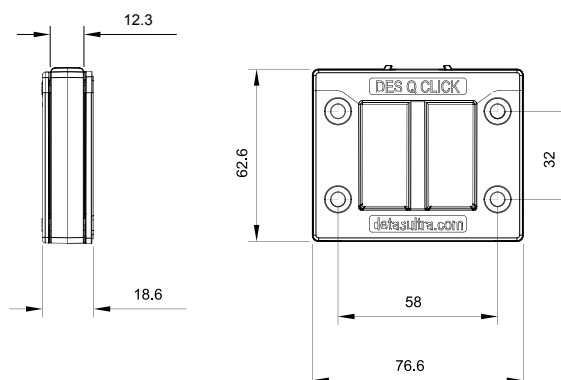
RELATED PRODUCTS

- SPC grommets (from page 44)
- SPL grommets (from pages 47)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)



Model	Code	Some possible configurations	Cut-out (mm)	Pcs (/pack)
DES Q CLICK	1731010308		40 x 36	10
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



Tutorial



IP54

NEMA
12



IK10



DES LC2 / LC3 / LC4 / LC5



Splittable frame for cables with and without connectors

FEATURES

- For SPC grommets
- Stainless steel screws
- Strain relief according to EN 62444
- IP54
- Integrated UL94-V0 gasket

NEW

The DES LC2, LC3, LC4 and LC5 splittable frames family are compatible with single, double and quadruple SPC grommets and they can accommodate up to 20 cables with or without connectors with diameters from 2 to 15mm. The frame is firmly closed with screws while the nuts are overmolded. There's no need to install a separate gasket.

Material: PC+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 including gasket

Temperature: -40°C... +130°C (static)

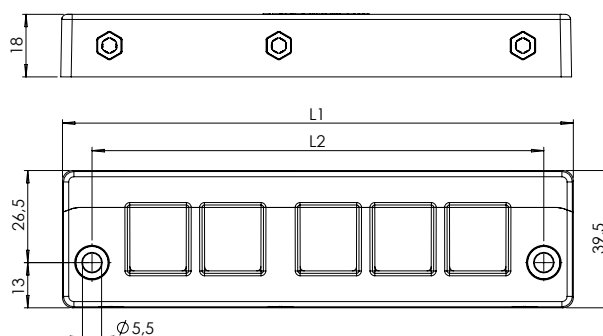
RELATED PRODUCTS

- SPC grommets (from page 44)



Model	Code	Some possible configurations	L1 (mm)	L2 (mm)	Cut-out (mm)	Pcs (/pack)
DES LC5	1731010335		147	130	110 x 20	10
DES LC4	1731010334		120	103	83 x 20	
DES LC3	1731010333		98,3	83	62 x 20	
DES LC2	1731010332		72,8	58,25	40 x 20	

Dimensions (mm)



Model (upon request)	Code	Description
Mounting screws	1731991010	Set of 2 mounting screws in AISI304 with Black Geomet finishing



IP54

NEMA 12



IK10



DES 380M



Modular frame for big diameter cables or corrugates conduits

FEATURES

- Fast and easy fixing of big diameter cables and corrugated conduits
- Diameters from 36 to 65 mm
- Free installation on 4 sides
- IP54
- Sturdy construction IK10
- No need of gasket
- AISI 304 screws

The DES 380 splittable frame family includes the DES 380M and MX and it is a modular solution for big size cables and corrugated conduits installations on electrical cabinets or machinery.

The system allows cable or corrugated conduits with diameter from 36 to 66 mm diameter to be secured in the cabinet entrance with fast and strain relief fixing. The DES 380M is the base product for increasing the number of cables thanks to the modular capabilities of the 380 MX system.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

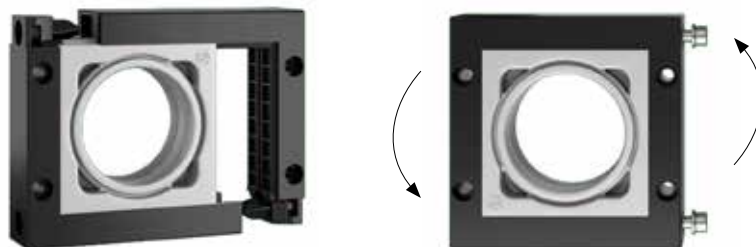
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

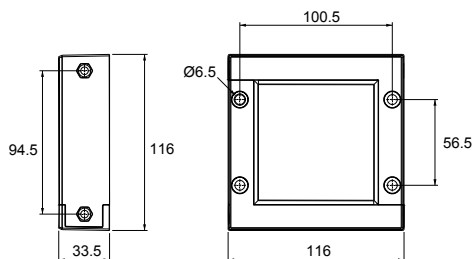
- SPH grommets (page 63)
- PF/PFX cable entry system plates (from page 164)



Model	Code	Dimensions L x H (mm)	Max. cut-out (mm)	Pcs (/pack)
 DES 380M	1731010270	116 x 116	72 x 72	1



Dimensions (mm)



Tutorial



IP54

NEMA
12



ECOLAB



IK10

FEATURES

- Fast and easy fixing of big diameter cables and corrugated conduits
- Modular, limitless solution
- Diameters from 36 to 65 mm
- Horizontal or vertical installation
- IP54
- No need of gasket
- AISI 304 screws

The splittable DES 380MX frames are used for routing big diameter cables and corrugated conduits through electric, machinery or main cabinets.

The solution is modular meaning that the customer can buy the 4 frames solution for using them for 4 or less cables. Then he can add an accessory and increase easily the number of cables limitless.

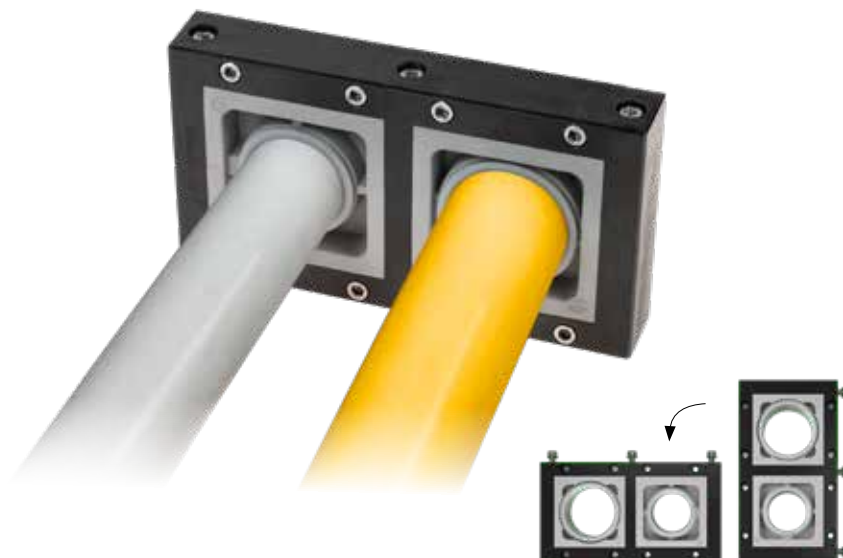
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- SPH grommets (page 63)
- PF/PFX cable entry system plates (from page 164)

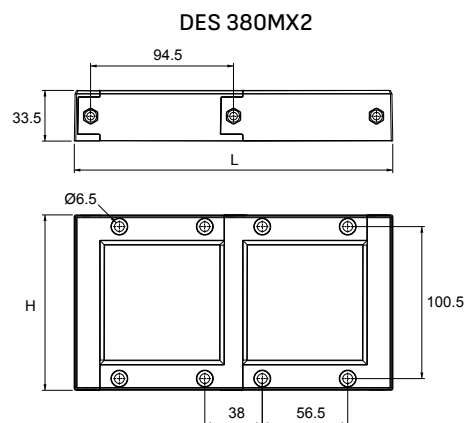


Model	Code	Dimensions L x H (mm)	Max. cut-out (mm)	Pcs (/pack)
DES 380MX2 	1731010272	210,5 x 116	166,5 x 72	1
DES 380MX3 	1731010273	305 x 116	261 x 72	
DES 380MX4 	1731010274	399,5 x 116	355,5 x 72	

Other models upon request



Dimensions (mm)



Tutorial





DES COVER



Sealing plates for DES series



FEATURES

- Fast installation
- Gasket acc. to UL94-V0 included
- Same holes position of the DES Systems
- IP66

The DES COVER plates allow to protect the unused gaps in the cabinet, avoiding contact with the outer environment.

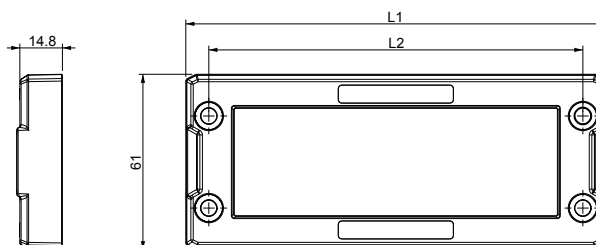
Material: PC, halogens and silicones free
Flammability: self-extinguishing acc. to UL94-V0
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q

Model	Code	Dimensions (mm)		Pcs (/pack)
		L1	L2	
DES COVER 24	1731032024	146	130	10
DES COVER 16	1731032016	120	103	
DES COVER 10	1731032010	99	83	
DES COVER Q	1731032008	74	58	
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		

Dimensions (mm)



IP66

NEMA
12

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



DES FLAP



Fast fixing solution for DES splittable frames



FEATURES

- Snap fixing for the DES Series
- Gasket included
- Same holes position of the DES Systems
- IP54

The DES FLAP series enables DES 24, 16, 10 and Q frames to be snap-fitted and it is particularly recommended in cases where cable replacement is frequently expected, speeding up assembly operations.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

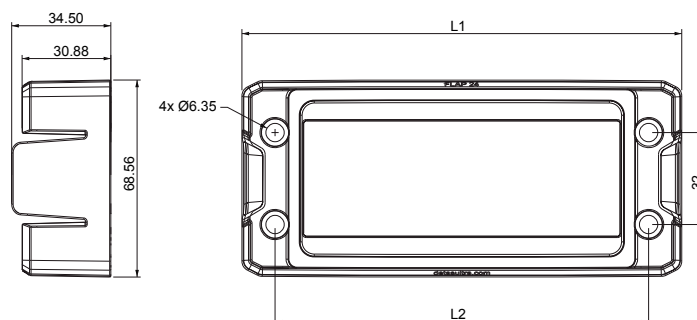
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DES Cover (page 28)
- PF cable entry system plates (page 164)

Model	Code	Dimensions (mm)		Max. cut-out (mm)	Pcs (/pack)
		L1	L2		
DES FLAP 24	1731031024	153	130	112 x 36	10
DES FLAP 16	1731031016	127	103	86 x 36	
DES FLAP 10	1731031010	106	83	63 x 36	
DES FLAP Q	1731031008	81	58	40 x 36	

Dimensions (mm)



Tutorial



IP54

NEMA
12

UL TYPE
12

ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



DES FLAP CLICK



Fast fixing solution for DES CLICK splittable frames



FEATURES

- Snap fixing for the DES CLICK Series
- Gasket acc. to UL94-V0 included
- Same holes position of the DES Systems
- IP54

The DES FLAP CLICK series enables DES 24, 16, 10 and Q frames to be snap-fitted and it is particularly recommended in cases where cable replacement is frequently expected, speeding up assembly operations.

Material: PC+GF, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

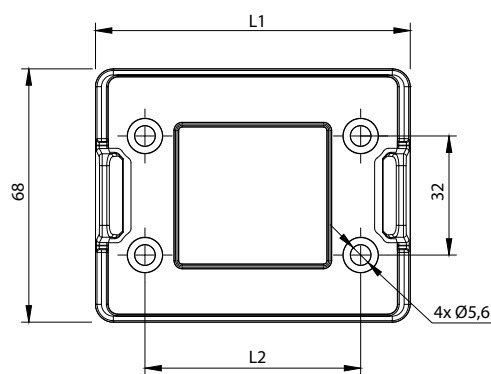
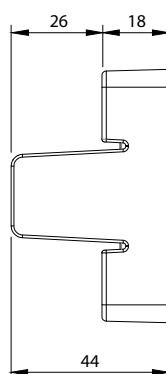
Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- DES 24 CLICK
- DES 16 CLICK
- DES 10 CLICK
- DES Q CLICK

Model	Code	Dimensions (mm)		Max. cut-out (mm)	Pcs (/pack)
		L1	L2		
DES FLAP 24 CLICK	1731010424	156,6	68,1	112 x 36	10
DES FLAP 16 CLICK	1731010416	132,6	68,1	86 x 36	
DES FLAP 10 CLICK	1731010410	109	68,1	63 x 36	
DES FLAP Q CLICK	1731010408	84,6	68,1	40 x 36	

Dimensions (mm)



IP54

NEMA
12

UL TYPE
12

UL94-V0



RoHS
COMPLIANT

DIVISIBLE CABLE GLANDS

OSF

- Snap mounting, no screws
- Versions with or without locknuts, with 90° cable entry
- M16, M20, M25, M32, M40, M50 and M63
- IP54
- For SPC & SPL grommets



DESCCLICK

- Snap mounting, no screws
- With Locknut
- M20, M25, M32, M50
- IP54
- For SPP & SPG grommets



DESPRED

- SS304 screws with geomet finishing
- With Locknut
- Up to 16 Cables
- M25 / M32 / M63
- IP66
- For SPP & SPG grommets





Divisible cable glands with locknut

FEATURES

- Metric sizes
- Without screws
- IP54
- Locknut and gasket included
- Available colors: grey and black

OSF is a divisible cable glands family with metric thread especially designed for cables with connectors.

The compact size and nice design are just a few of the countless advantages of the OSF Family.

OSF 16, 20, 25 and 32 can be equipped with SPC grommets with single or multiple holes.

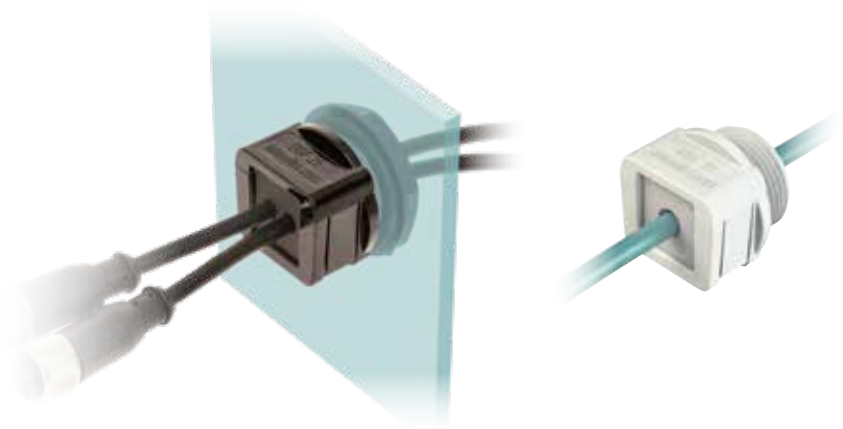
Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

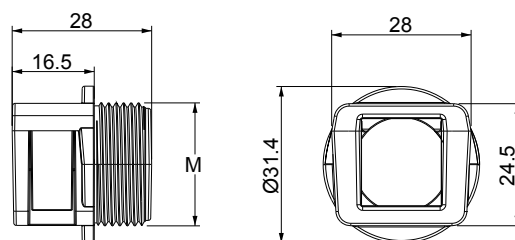
- Divisible locknuts (page 41)
- SPC grommets (from page 44)
- OSF EMC (page 149)
- HY360 hydraulic punch driver (page 162)



Model	Code	Max. grommet sizes			Max. cut-out (Ø mm)	Pcs (/pack)
 OSF 16G	1731052316	SPC 10	SPC 2x4	SPC 4x4	16,5	10
 OSF 20G	1731052320	SPC 14	SPC 2x5	SPC 4x5	20,5	
 OSF 25G	1731052325	SPC 14	SPC 2x7	SPC 4x6	25,5	
 OSF 32G	1731052332	SPC 14	SPC 2x7	SPC 4x6	32,5	
 OSF 16B	1731052416	SPC 10	SPC 2x4	SPC 4x4	16,5	
 OSF 20B	1731052420	SPC 14	SPC 2x5	SPC 4x5	20,5	
 OSF 25B	1731052425	SPC 14	SPC 2x7	SPC 4x6	25,5	
 OSF 32B	1731052432	SPC 14	SPC 2x7	SPC 4x6	32,5	



Dimensions (mm)



Tutorial





OSF 40



Divisible cable glands with locknut

FEATURES

- M40 metric size
- Without screws
- IP54
- Locknut and gasket included
- Available colors: grey and black

OSF 40 is a divisible cable gland with metric thread especially designed for cables with connectors.

Is it possible to route up to 8 cables with connectors.

OSF 40 can be equipped with SPC grommets with single or multiple holes.

Material: PC, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

- SPC grommets (from page 434)
- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)



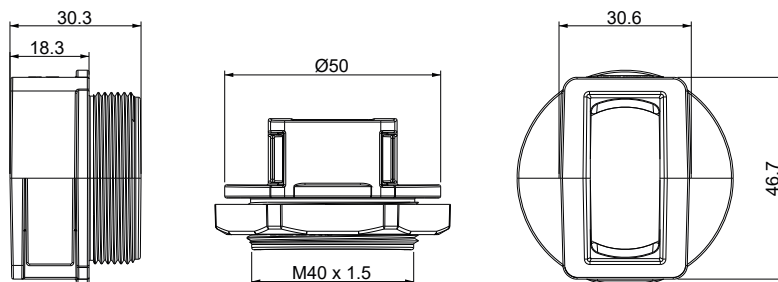
Model	Code	Max. grommet sizes	Max. cut-out (mm)	Pcs (/pack)
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OSF 40G	1731052340	SPC 14	SPC 2x7	SPC 4x6	40,5	10
OSF 40B	1731052440	SPC 14	SPC 2x7	SPC 4x6		

Some possible configurations



Dimensions (mm)



Tutorial



IP54

NEMA
12



IK10



OSF 50/63



Divisible cable glands with locknut

FEATURES

- M50 and M63 metric size
- Without screws
- IP54
- Locknut and gasket included
- Suitable for small or big grommets
- Available colors: grey and black

OSF 50 and OSF 63 are divisible cable glands with metric thread especially designed for cables with connectors.

They allow to route up to 16 cables with connectors.

OSF 50 and OSF 63 can hold in the same frame SPC grommets with single or multiple holes from 2 to 14 mm diameter or SPL grommets from 12 to 29 mm diameter.

Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

- SPC grommets (from page 44)
- SPL grommets (from page 47)
- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)

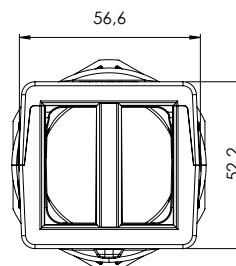
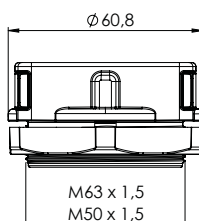
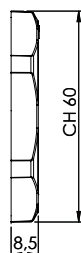
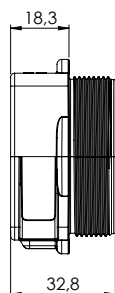


Model	Code	Max. cut-out (mm)	Max. grommet sizes				Pcs (/pack)
 OSF 50G	1731052350	50,5	 SPC 14	 SPC 2 x 6	 SPC 4 x 6	 SPL 29	10
 OSF 63G	1731052363	63,5					
 OSF 50B	1731052450	50,5	 SPC 14	 SPC 2 x 6	 SPC 4 x 6	 SPL 29	
 OSF 63B	1731052460	63,5					

Some possible configurations



Dimensions (mm)



Tutorial



IP54

NEMA
12



IK10



OSF90



Divisible cable glands with 90° entry

FEATURES

- 90° cable entry system
- Without screws
- IP54
- Locknut included
- Available colors: grey and black

OSF90 is a 90° divisible cable gland with metric thread especially designed for cables with connectors. The 90° entry systems protects the cables from frontal damage and provides an elegant design. OSF 90 can be equipped with SPC grommets with single or multiple holes for both black and grey UL94V0 colors.

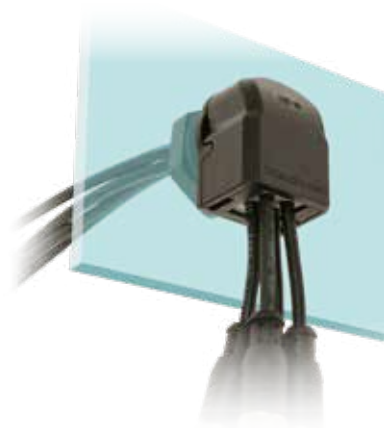
Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

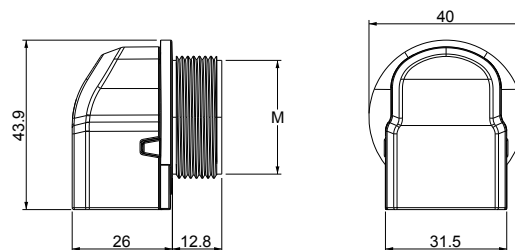
- SPC grommets (from page 44)
- Divisible locknuts (page 41)
- HY360 hydraulic punch driver (page 162)



Model	Code	Max. grommet sizes			Max. cut-out (Ø mm)	Pcs (/pack)
 OSF90 16G	1731052916	SPC 10	SPC 2x4	SPC 4x4	16,5	10
 OSF90 20G	1731052920	SPC 13	SPC 2x5	SPC 4x5	20,5	
 OSF90 25G	1731052925	SPC 13	SPC 2x7	SPC 4x6	25,5	
 OSF90 32G	1731052932	SPC 13	SPC 2x7	SPC 4x6	32,5	
 OSF90 16B	1731052917	SPC 10	SPC 2x4	SPC 4x4	16,5	
 OSF90 20B	1731052921	SPC 13	SPC 2x5	SPC 4x5	20,5	
 OSF90 25B	1731052926	SPC 13	SPC 2x7	SPC 4x6	25,5	
 OSF90 32B	1731052933	SPC 13	SPC 2x7	SPC 4x6	32,5	

Dimensions (mm)

Cable bend radius
max. 10 mm



IP54

NEMA
12



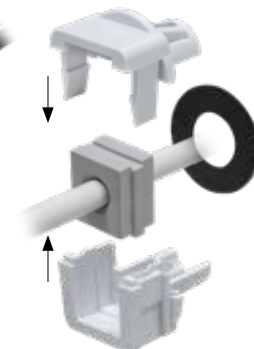
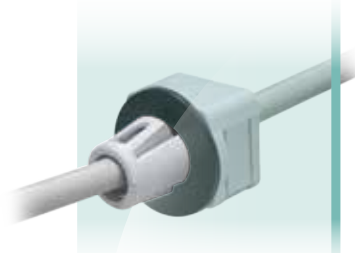
IK10



OSF ZIP



Divisible cable glands with snap mounting



FEATURES

- Without screws
- Snap mounting without locknut
- Wall thickness from 1,2 to 3 mm
- Gasket included
- IP54
- Grey or black version

OSF ZIP is a divisible cable glands family for metric holes especially designed for cables with connectors. The installation can be only frontal since no locknut is required. OSF ZIP can be equipped with SPC grommets with single, double or quadruple holes from 2 to 14 mm diameter. The product can be disassembled without tools.

Material: PC, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

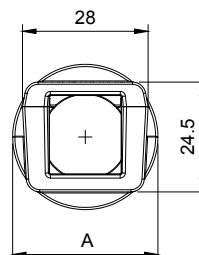
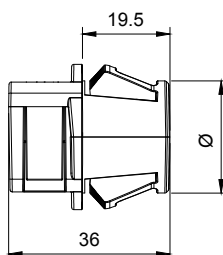
- SPC grommets (from page 44)
- HY360 hydraulic punch driver (page 162)

Model	Code	Max. grommet sizes	Ø (mm)	A (mm)	Max. cut-out (Ø mm)	Pcs (/pack)
-------	------	--------------------	--------	--------	---------------------	-------------



 OSF ZIP N16G	1731052860	SPC 10	SPC 2x4	SPC 4x3	16	31,4	16,5	10
 OSF ZIP N20G	1731052862	SPC 14	SPC 2x5	SPC 4x5	20	31,4	20,5	
 OSF ZIP N25G	1731052864	SPC 14	SPC 2x7	SPC 4x6	25	32,4	25,5	
 OSF ZIP N32G	1731052866	SPC 14	SPC 2x7	SPC 4x6	32	40,6	32,5	
 OSF ZIP N16B	1731052870	SPC 10	SPC 2x4	SPC 4x3	16	31,4	16,5	
 OSF ZIP N20B	1731052872	SPC 14	SPC 2x5	SPC 4x5	20	31,4	20,5	
 OSF ZIP N25B	1731052874	SPC 14	SPC 2x7	SPC 4x6	25	32,4	25,5	
 OSF ZIP N32B	1731052876	SPC 14	SPC 2x7	SPC 4x6	32	40,6	32,5	

Dimensions (mm)



Tutorial



IP54

NEMA 12



IK10



DESCCLICK



Divisible cable glands with locknut

FEATURES

- Without screws
- Metric sizes: M20, M25 and M32
- Strain relief according to EN 62444
- Sturdy construction IK10
- IP54
- Locknut and gasket included
- Grey or black version

DESCCLICK is a metric, divisible cable glands family for cables with and without connectors.

DESCCLICK models can be equipped with SPP grommets with single, double or quadruple holes from 2 to 16 mm diameter.

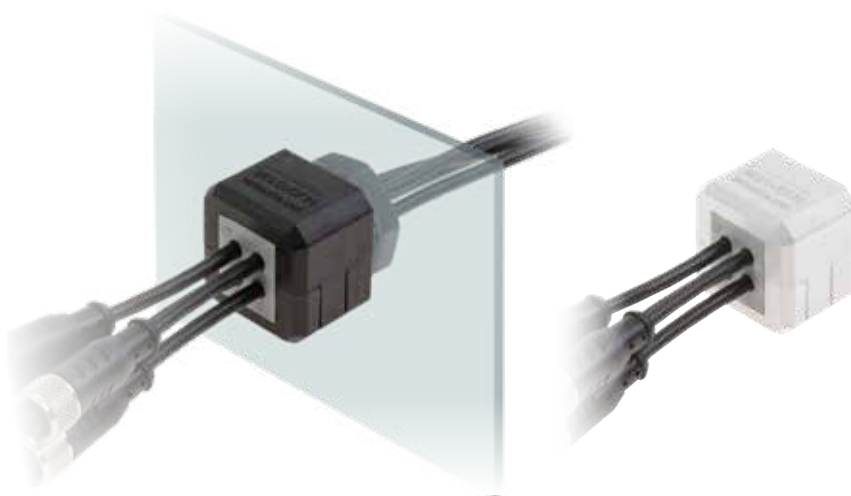
Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

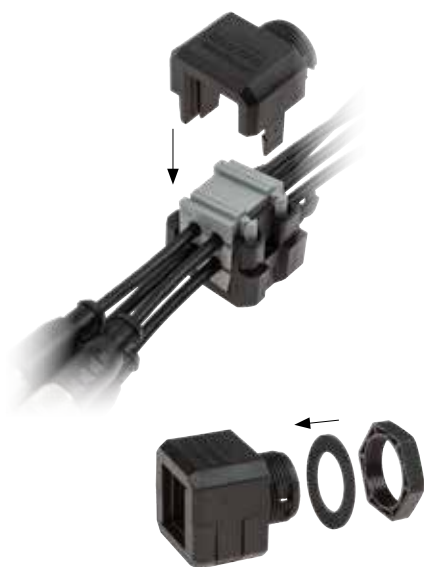
- SPP grommets (from page 49)
- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)



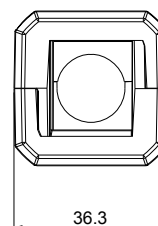
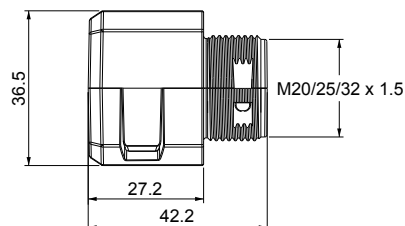
Model	Code	Max. grommet sizes	Max. cut-out (Ø mm)	Pcs (/pack)
-------	------	--------------------	---------------------	-------------



	DESCCLICK 20B	1731051020	SPP 12	SPP 2x5	SPP 4x2	20,5	10
	DESCCLICK 25B	1731051025	SPP 16	SPP 2x6	SPP 4x4	25,5	
	DESCCLICK 32B	1731051032	SPP 16	SPP 2x7	SPP 4x6	32,5	
	DESCCLICK 20G	1731051320	SPP 12	SPP 2x5	SPP 4x2	20,5	
	DESCCLICK 25G	1731051325	SPP 16	SPP 2x6	SPP 4x4	25,5	
	DESCCLICK 32G	1731051332	SPP 16	SPP 2x7	SPP 4x6	32,5	



Dimensions (mm)



Tutorial



IP54

NEMA
12

UL TYPE
12

UL94-V0



IK10



DESCCLICK 50

Divisible cable glands with locknut



FEATURES

- Without screws
- Strain relief according to EN 62444
- M50 metric size
- Sturdy construction IK10
- IP54

DESCCLICK 50 is a divisible cable gland with M50 thread. It includes the M50 nut. DESCCLICK 50 can be equipped with SPP and SPG grommets in all available versions.

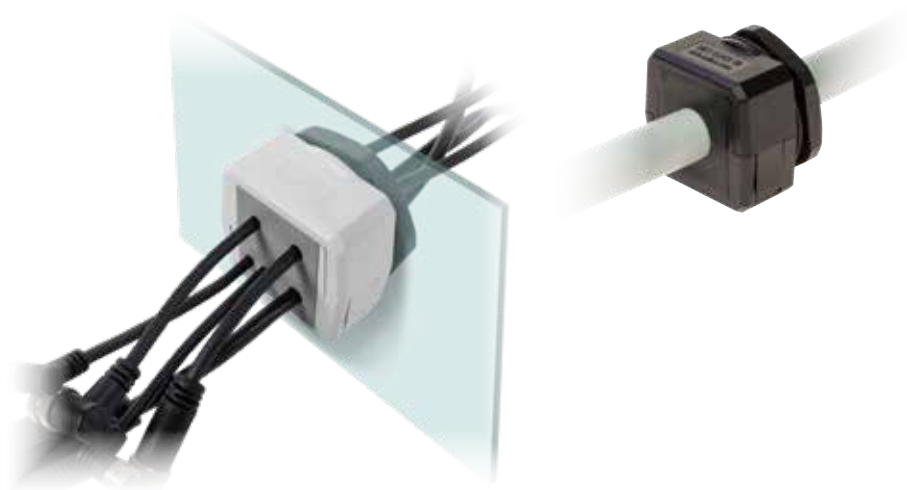
Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +130°C (static)

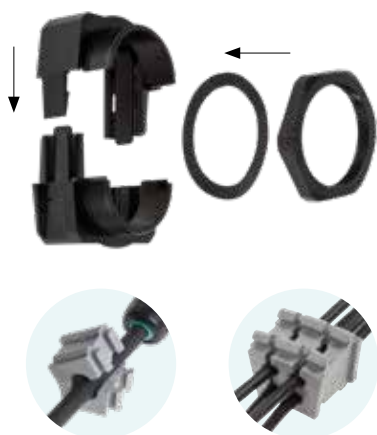
RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)

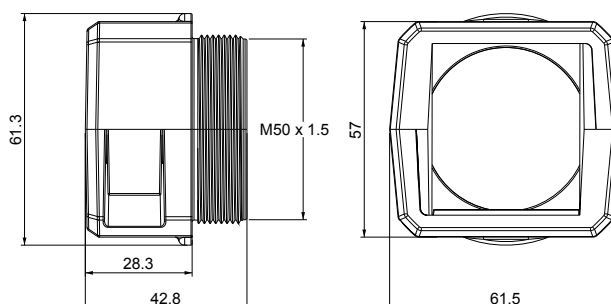


Model	Code	Max. grommet sizes				Max. cut-out (Ø mm)	Pcs (/pack)
 DESCCLICK 50B	1731051050					50,5	10
 DESCCLICK 50G	1731051350	SPP 15	SPP 2 x 6	SPP 4 x 3	SPG 34		

Some possible configurations



Dimensions (mm)



Tutorial



IP54

NEMA
12

UL TYPE
12

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT

IK10



DESPRED



Divisible cable glands with locknut

FEATURES

- Frame screws in AISI304 Stainless Steel with Black Dacromet finishing
- M25, M32 and M63 metric sizes
- IP66 and Nema 4X* certified
- Strain relief according to EN 62444
- Sturdy construction IK10
- Integrated gasket
- ATEX version on request (Group 7)

The DESPRED series are divisible cable glands with metric thread.

The DESPRED 25 and 32 can be equipped with SPP grommets while the 63 can hold SPP and SPG grommets for cables up to 34 mm diameter.

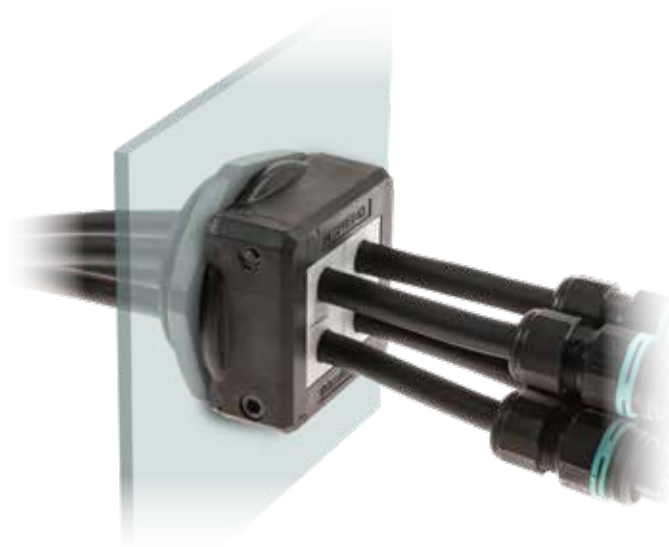
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

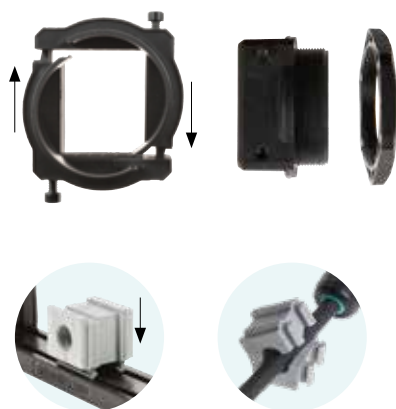
RELATED PRODUCTS

- SPP grommets (from page 49)
- SPG grommets (from page 55)
- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)

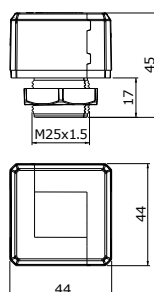


Model	Code	Some possible configurations	Max cut-out (Ø mm)	Pcs (/pack)
DESPRED 25	1731050025	  	25,5	10
DESPRED 32	1731050032	  	32,5	
DESPRED 63	1731050063	  	63,5	

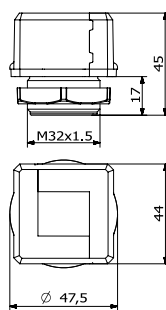
Dimensions (mm)



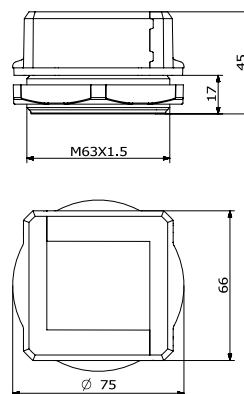
DESPRED 25



DESPRED 32



DESPRED 63



* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB



IK10





DESPRED 50-90



Divisible cable glands with locknut - 90° entry

FEATURES

- Without screws
- Metric size
- Strain relief according to EN 62444
- IP54
- Sturdy construction IK10

DESPRED 50-90 is a M50 metric, divisible cable gland with a 90° entry. It works with small, multiple and large grommets for cables ranging from 2 to 17 mm diameter. The multiple grommets allow to accommodate up to 16 cables. Large grommets are used with corrugated conduits.

Material: PA+PC, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +130°C (static)

RELATED PRODUCTS

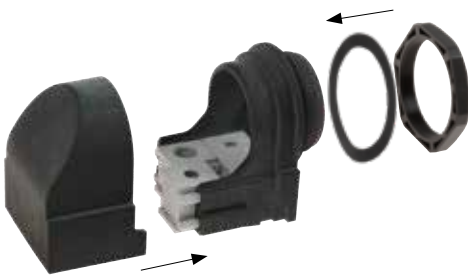
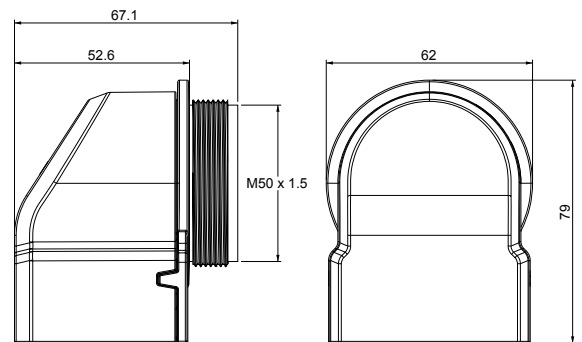
- SPP grommets (from page 49)
- SPG grommets (from page 55)
- HY360 hydraulic punch driver (page 162)



Model	Code	Some possible configurations	Max. cut-out (Ø mm)	Pcs (/pack)
DESPRED 50-90	1731050250		50,5	10

Dimensions (mm)

Cable bending radius:
max. 10 mm



IP54

NEMA
12

UL TYPE
12

ECOLAB



RoHS
COMPLIANT

IK10

FEATURES

- Divisible metric thread locknuts
- UL94-V0
- Black colour
- Recommended tightening torque 7 Nm

The DDMD divisible locknuts allow the pass through of connectors which are dimensionally larger than the conventional locknuts to be used with the original divisible cable gland. Six sizes are available, all for metric threads.

Material: PA66, halogens and silicones free
Flammability: self-extinguishing acc. to UL94-V0
Temperature: -40°C... +120°C (static)

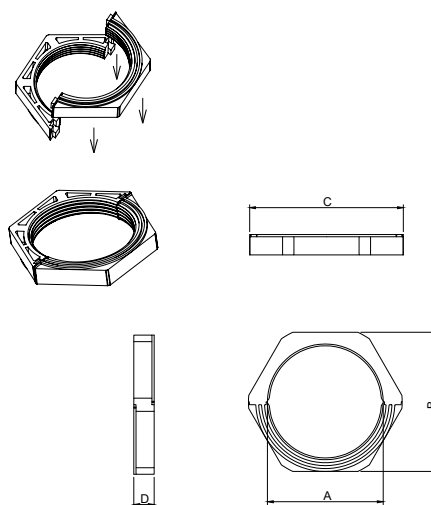
RELATED PRODUCTS

- OSF
- OSF40
- OSF 90
- DESPRED
- DESPRED ZZ
- DESCCLICK
- DESCCLICK 50
- DESCCLICK Z



Model	Code	Thread	Pcs (/pack)
DDMD M20	1731253020	M20	1
DDMD M25	1731253025	M25	
DDMD M32	1731253032	M32	
DDMD M40	1731253040	M40	
DDMD M50	1731253050	M50	
DDMD M63	1731253063	M63	

Dimensions (mm)





DDM SUB-D9



SUB-D9 locknut

FEATURES

- Divisible metric thread locknuts, suitable to SUB-D9 connector (DVI, Profibus)
- UL94-V0
- Black colour
- Recommended tightening torque 8 Nm

This locknut allows the pass through of SUB-D9 connectors (DVI or PROFIBUS), in the case of using a M32 cable gland, simplify machinery wiring.
It is suitable for: DESCCLICK 32, DESPRED 32, DESPRED ZZ 32, OSF 32.

Material: PA66, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +120°C (static)

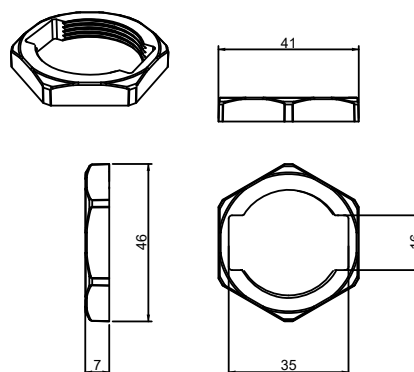
RELATED PRODUCTS

- OSF
- OSF 90
- DESPRED
- DESPRED ZZ
- DESCCLICK
- DESCCLICK Z



Model	Code	Thread	Pcs (/pack)
DDM SUB-D9	1731052032	M32 locknut for SUB-D9	10

Dimensions (mm)



IK10

COMPATIBILITY BETWEEN GROMMETS AND FRAMES

SPC



SPL



SPP



SPG



SPH



DES 24			•	•	
DES 16			•	•	
DE 10			•	•	
DES Q			•	•	
DES L1			•		
DES L2			•		
DES L3			•		
DES L4			•		
DES L5			•		
DES FT			•	•	
DES 24/90			•	•	
DES 24 CLEAN			•	•	
DES Q CLEAN			•	•	
DES LC2	•				
DES LC3	•				
DES LC4	•				
DES LC5	•				
DES 24 CLICK	•	•			
DES 24/2 CLICK	•	•			
DES 16 CLICK	•	•			
DES 16/2 CLICK	•	•			
DES 10 CLICK	•	•			
DES Q CLICK	•	•			
DES 24M			•	•	
DES 24MX			•	•	
DES 24MX15			•	•	
DES 16M			•	•	
DES 16MX			•	•	
DES 380M					•
DES 380MX					•
OSF 16	•				
OSF 20	•				
OSF 25	•				
OSF 32	•				
OSF 40	•				
OSF 50	•	•			
OSF 63	•	•			
OSF90 16	•				
OSF90 20	•				
OSF90 25	•				
OSF90 32	•				
OSF ZIP 16	•				
OSF ZIP 20	•				
OSF ZIP 25	•				
OSF ZIP 32	•				
DESCCLICK 20			•		
DESCCLICK 25			•		
DESCCLICK 32			•		
DESCCLICK 50			•	•	
DESPRED 25			•		
DESPRED 32			•		
DESPRED 63			•	•	
DESPRED 50-90			•	•	



SPC



Grommets single, double, quadruple for OSF, DES CLICK and DES LC



FEATURES

- Openable cable grommets for diameters from 2 to 15 mm
- "Blind" version available
- Grey and black versions
- UL94-V0 for both colors

The SPC cable grommets are openable grommets which can be used into the OSF or DES "XX" CLICK and DES LC series to route preterminated cables with diameters from 2 to 14 mm.

The 2x and 4x models can be used to significantly increase the cables quantity in the frame.

Material: TPE, halogens and silicones free

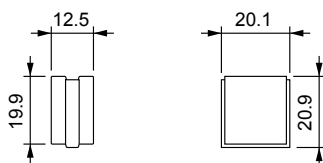
Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- OSF
- OSF 90
- OSF ZIP
- DES 24 CLICK
- DES 16 CLICK
- DES 10 CLICK
- DES Q CLICK
- DES LC

Dimensions (mm)



Model	Code	Ø Cable (mm)	Model	Code	Pcs (/pack)
-------	------	--------------	-------	------	-------------



SPC 0G	1731052500	"Blind"	SPC 0B	1731052600	10
SPC 2G	1731052502	2-3	SPC 2B	1731052602	
SPC 3G	1731052503	3-4	SPC 3B	1731052603	
SPC 4G	1731052504	4-5	SPC 4B	1731052604	
SPC 5G	1731052505	5-6	SPC 5B	1731052605	
SPC 6G	1731052506	6-7	SPC 6B	1731052606	
SPC 7G	1731052507	7-8	SPC 7B	1731052607	
SPC 8G	1731052508	8-9	SPC 8B	1731052608	
SPC 9G	1731052509	9-10	SPC 9B	1731052609	
SPC 10G	1731052510	10-11	SPC 10B	1731052610	
SPC 11G	1731052511	11-12	SPC 11B	1731052611	
SPC 12G	1731052512	12-13	SPC 12B	1731052612	
SPC 13G	1731052513	13-14	SPC 13B	1731052613	
SPC 14G	1731052514	14-15	SPC 14B	1731052614	



SPC 2x2G	1731052522	2	SPC 2x2B	1731052622	10
SPC 2x3G	1731052523	3	SPC 2x3B	1731052623	
SPC 2x4G	1731052524	4	SPC 2x4B	1731052624	
SPC 2x5G	1731052525	5	SPC 2x5B	1731052625	
SPC 2x6G	1731052526	6	SPC 2x6B	1731052626	
SPC 2x7G	1731052527	7	SPC 2x7B	1731052627	



SPC 4x2G	1731052532	2	SPC 4x2B	1731052632	10
SPC 4x3G	1731052533	3	SPC 4x3B	1731052633	
SPC 4x4G	1731052534	4	SPC 4x4B	1731052634	
SPC 4x4,5G	1731052537	4,5	SPC 4x4,5B	1731052637	
SPC 4x5G	1731052535	5	SPC 4x5B	1731052635	
SPC 4x6G	1731052536	6	SPC 4x6B	1731052636	



IP54

NEMA 12



ECOLAB

UL94-V0



RoHS COMPLIANT



SPC R



SPC grommets with extended range

FEATURES

- Multi-Range grommets for cables from 3 to 12 mm diameter
- IP54
- Grey and black colours available
- UL94-V0 for both colours

The SPC R family's extended range grommets allow cables with and without connectors to be routed through DES xx CLICK and OSF frames. Only three models are covering the diameters from 3 to 12 mm (R1...R3).

Thanks to the SPC R grommets, warehouse costs are minimised and installation times significantly reduced.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

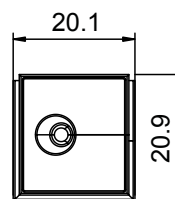
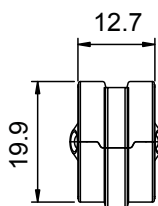
RELATED PRODUCTS

- OSF
- OSF 90
- OSF ZIP
- DES 24 CLICK
- DES 16 CLICK
- DES 10 CLICK
- DES Q CLICK
- DES LC



Model	Code	Model	Code	Ø Cable max (mm)	Pcs (/pack)
■ ■					
SPC R1G	1731053101	SPC R1B	1731053106	3-6	10
SPC R2G	1731053102	SPC R2B	1731053107	6-9	
SPC R3G	1731053103	SPC R3B	1731053108	9-12	

Dimensions (mm)



IP54

NEMA
12



ECOLAB



UL TYPE
12



SPC K



SPC grommets with extended range for cables without connectors

FEATURES

- For cables without connectors with diameter from 2,5 to 14 mm
- "Blind" pierceable grommets
- Grey and black colours available
- UL94-V0 for both colours
- IP54



The SPC K grommets have a dual function: they can be used as single grommets for a cable without connector (cable diameter from 2.5 to 14mm depending on the model) or as "blind" grommet for future applications of cables without connectors. The double membrane guarantees high protection from water and dust together with a high strain relief function.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0 (grey or black)

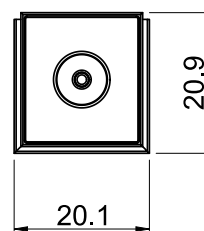
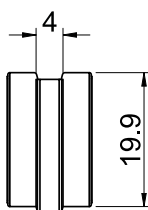
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24 CLICK
- DES 16 CLICK
- DES 10 CLICK
- DES Q CLICK
- OSF
- OSF 90
- OSF ZIP
- DES LC
- UltraTray 4

Model	Code	Model	Code	Ø Cable max (mm)	Pcs (/pack)
SPC K1G	1731052550	SPC K1B	1731052650	8	10
SPC K2G	1731052555	SPC K2B	1731052652	11	
SPC K3G	1731052560	SPC K3B	1731052654	13	
SPC K4G	1731052565	SPC K4B	1731052656	14	

Dimensions (mm)



IP54

NEMA
12



ECOLAB

UL94-V0



RoHS
COMPLIANT



UL TYPE
12

SPL grommets – large with extended range

FEATURES

- Large grommets for cables from 11,5 to 31 mm diameter
- Suitable for OSF 50/63 and DES CLICK Frames
- “Blind” version available
- Grey and black colours available
- UL94-V0 for both colours
- IP54

The SPL grommets are used to route cables with or without connectors (diameter 11.5 to 31 mm) inside the DES 24, 16, 10, Q CLICK split frames and OSF 50/63 divisible cable glands.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

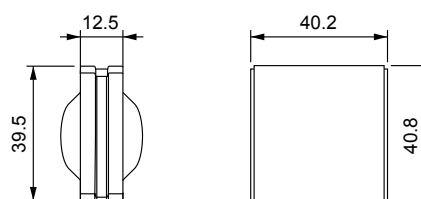
RELATED PRODUCTS

- DES 24 CLICK
- DES Q CLICK
- DES 16 CLICK
- OSF 50/63
- DES 10 CLICK
- UltraTray 4



Model	Code	Model	Code	Ø Cable (mm)	Pcs (/pack)
SPL 0G	1731053000	SPL 0B	1731053001	“Blind”	10
SPL 13G	1731053005	SPL 13B	1731053025	11,5-16	
SPL 17G	1731053010	SPL 17B	1731053030	16-20	
SPL 21G	1731053013	SPL 21B	1731053033	20-24	
SPL 25G	1731053015	SPL 25B	1731053035	24-28	
SPL 29G	1731053020	SPL 29B	1731053040	28-31	

Dimensions (mm)





FEATURES

- Multiple large grommets for high number of cables (Ø max 16 mm) without connectors
- Grey and black colours available
- UL94-V0 for both colors
- Strain relief according to EN 62444

The SPL M grommets allow many non-terminated cables to be routed through the OSF 50/63 and the DES CLICK Family frames, saving a lot of space compared to the conventional cable glands.

After having slightly perforated the front membrane, the cable is pushed through the hole where the second membrane allows a perfect mechanical and liquid tightness.

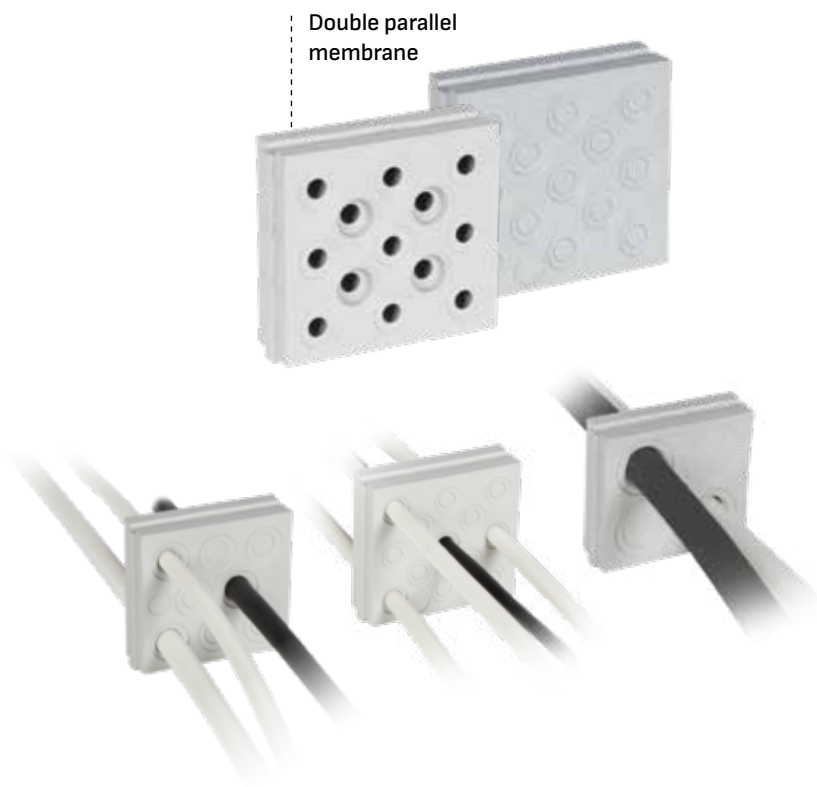
Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

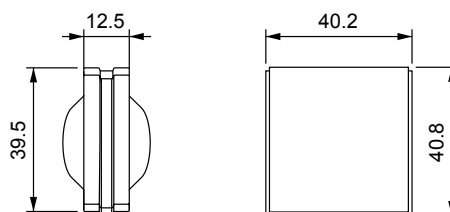
RELATED PRODUCTS

- DES 24 CLICK
- DES Q CLICK
- DES 16 CLICK
- OSF 50/63
- DES 10 CLICK
- UltraTray 4



Model	Code	Nr. cables	Ø Cable max (mm)	Model	Code	Pcs (/pack)
● ●						
SPL M4G	1731053050	4	16	SP M4B	1731053060	10
SPL M8G	1731053055	8	10	SPL M8B	1731053065	
SPL M13G	1731053058	13	6,5	SPL M13B	1731053068	

Dimensions (mm)





SPP



SPP grommets – small: single, double and quadruple



FEATURES

- Grommets for cables from 2 to 17 mm diameter
- “Blind” version available
- Grey and black colours available
- UL94-V0 for both colours
- ATEX version on request (Group 7)

The SPP grommets allow several cables with or without connectors from 2 to 17 mm diameter to be routed in the DES splittable frame. The 2x and 4x models can be used to significantly increase the cables quantity in the frame.

Material: TPE, halogens and silicones free

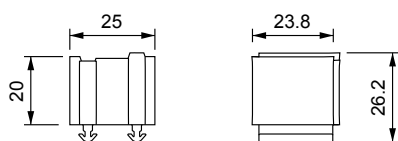
Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPREL
- DESCLICK
- DES 24M
- DES 24MX
- DES 16M
- DES 16MX
- UltraTray 4

Dimensions (mm)



Model	Code	Ø Cable (mm)	Model	Code	Pcs (/pack)
SPP 0G	1731020100	“Blind”	SPP 0B	1731020200	10
SPP 2G	1731020102	2-3	SPP 2B	1731020202	
SPP 3G	1731020103	3-4	SPP 3B	1731020203	
SPP 4G	1731020104	4-5	SPP 4B	1731020204	
SPP 5G	1731020105	5-6	SPP 5B	1731020205	
SPP 6G	1731020106	6-7	SPP 6B	1731020206	
SPP 7G	1731020107	7-8	SPP 7B	1731020207	
SPP 8G	1731020108	8-9	SPP 8B	1731020208	
SPP 9G	1731020109	9-10	SPP 9B	1731020209	
SPP 10G	1731020110	10-11	SPP 10B	1731020210	
SPP 11G	1731020111	11-12	SPP 11B	1731020211	
SPP 12G	1731020112	12-13	SPP 12B	1731020212	
SPP 13G	1731020113	13-14	SPP 13B	1731020213	
SPP 14G	1731020114	14-15	SPP 14B	1731020214	
SPP 15G	1731020115	15-16	SPP 15B	1731020215	
SPP 16G	1731020116	16-17	SPP 16B	1731020216	

SPP 2x2G	1731020304	2 x 2	SPP 2x2B	1731020404	10
SPP 2x3G	1731020306	2 x 3	SPP 2x3B	1731020406	
SPP 2x4G	1731020308	2 x 4	SPP 2x4B	1731020408	
SPP 2x5G	1731020310	2 x 5	SPP 2x5B	1731020410	
SPP 2x6G	1731020312	2 x 6	SPP 2x6B	1731020412	
SPP 2x7G	1731020314	2 x 7	SPP 2x7B	1731020414	
SPP 2x8G	1731020316	2 x 8	SPP 2x8B	1731020416	

SPP 4x2G	1731020318	4 x 2	SPP 4x2B	1731020418	10
SPP 4x3G	1731020320	4 x 3	SPP 4x3B	1731020420	
SPP 4x4G	1731020322	4 x 4	SPP 4x4B	1731020422	
SPP 4x5G	1731020324	4 x 5	SPP 4x5B	1731020424	
SPP 4x6G	1731020326	4 x 6	SPP 4x6B	1731020426	

SPP 2x3+2x4,5G	1731020330	2x3 2x4,5	SPP 2x3+2x4,5B	1731020332	10

SPP ASI G	1731021130	1 x ASI	-	-	
SPP ASI2 G	1731021140	2 x ASI	-	-	

* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB

UL94-V0



RoHS
COMPLIANT





SPP grommets with extended range

FEATURES

- For cables with or without connectors
- Multi-Range grommets for cables from 3 to 15 mm diameter
- Only 4 models covering the entire range
- Grey and black colours available
- UL94-V0 for both colours

The openable extended range grommets of the SPP R family allow cables with or without connectors to be routed through all DES frames. Only four models are covering the diameters from 3 to 15 mm (R1... R4). Thanks to the SPP R grommets, warehouse costs are minimised and installation times significantly reduced.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

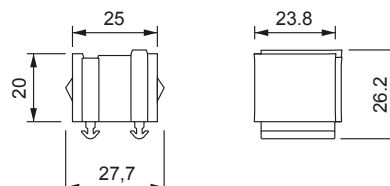
RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPED
- DESCLICK
- DES 24M
- DES 24MX
- DES 24MX15
- DES 16M
- DES 16MX
- UltraTray 4



Model	Code	Ø Cable min/max (mm)	Model	Code	Pcs (/pack)
SPP R1G	1731021200	3 - 6	SPP R1B	1731021210	10
SPP R2G	1731021202	6 - 9	SPP R2B	1731021212	
SPP R3G	1731021204	9 - 12	SPP R3B	1731021214	
SPP R4G	1731021206	12 - 15	SPP R4B	1731021216	

Dimensions (mm)



* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB





SPP K



Blind pierceable small grommets with extended range for cables without connectors



FEATURES

- Diameters from 2,5 to 16,5 mm
- "Blind" pierceable grommets
- Grey and black colours available
- UL94-V0 for both colours
- IP66 - NEMA 4X*

The SPP K grommets have a dual function: they can be used as "blind" grommets for future application of single cable without connector or they can be used as single grommet for one cable without connector. The size can be chosen between 4 models from 2,5 a 16,5 mm diameter. The double membrane ensures the best water and dust protection together with a great strain relief function.

Material: TPE, halogens and silicones free

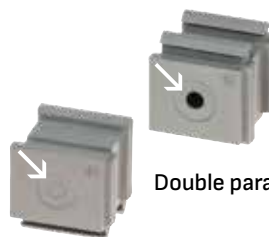
Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

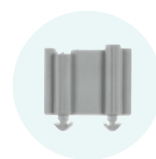
RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRE
- DESCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX
- UltraTray 4

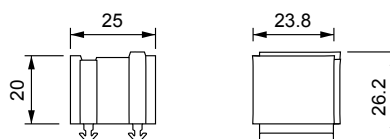
Model	Code	Ø Cable min/max (mm)	Model	Code	Pcs (/pack)
SPP K0G	1731021100	"Blind"	SPP K0B	1731023100	10
SPP K1G	1731021110	2,5 - 7	SPP K1B	1731023110	
SPP K2G	1731021115	4,5 - 10	SPP K2B	1731023115	
SPP K3G	1731021120	7,5 - 12,5	SPP K3B	1731023120	
SPP K4G	1731021125	9 - 14	SPP K4B	1731023125	
SPP K5G	1731021127	12 - 16,5	SPP K5B	1731023127	



Double parallel membrane



Dimensions (mm)



* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB





SPP P



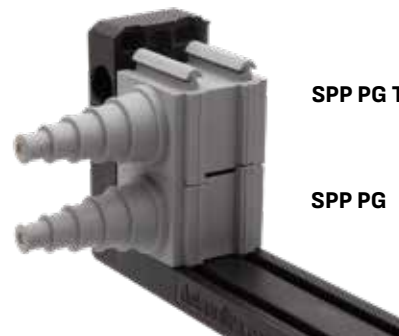
SPP multi-range grommets with pyramidal shape



SPP PG



SPP PG T



SPP PG T

SPP PG

FEATURES

- Universal solution for cables without connectors from 3 to 14mm diameter
- Can be used on all DES Frames and divisible cable glands
- IP66
- UL94-V0 for both grey and black colors

The SPP P grommets are suitable for cables without connectors. They are used cutting the cone corresponding to the diameter of the cable. The cable is then routed into the grommet where the internal shape is increasing the strain relief. It is also possible to secure the cable with a cable tie. The T version can be installed in the upper line of the DES series.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

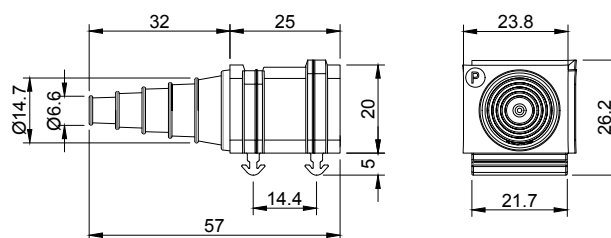
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRED
- DESCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX

Model	Code	Ø Cable min/max (mm)	Pcs (/pack)
 SPP PG	1731020650	3 - 14	10
 SPP PB	1731020652		
 SPP PG T	1731020651		
 SPP PB T	1731020653		

Dimensions (mm)



* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB

UL94-V0



RoHS
COMPLIANT





SPP M



Multiple small grommets for cables without connectors

FEATURES

- Cable diameter max. 7 mm
- "Blind" pierceable grommets
- Grey and black colours available
- UL94-V0 for both colours
- IP66 - NEMA 4X*

The SPP M grommets have a dual function: they can be used as "blind" grommets for future application of multiple cables without connector or they can be used in the DES splittable frame as multi grommets for non terminated cables. The double membrane ensures the highest water and dust protection.

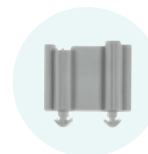
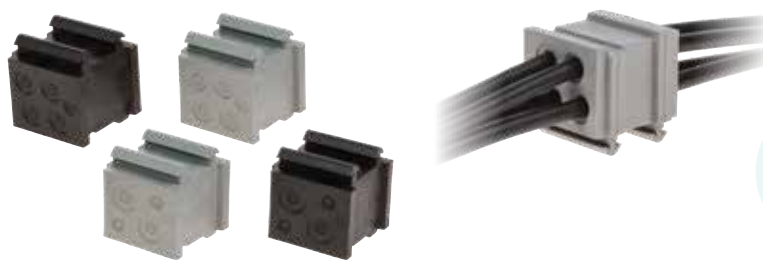
Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRE
- DESCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX



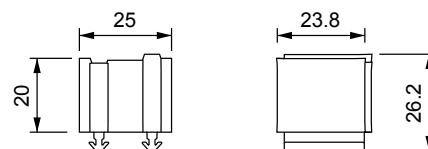
Model	Code	Nr. Cables	Ø Cable (mm)	Model	Code	Pcs (/pack)
SPP M4G	1731020504	4	max. 6	SPP M4B	1731020604	10
SPP M4bG	1731020505	2 2	max. 3 max. 7	SPP M4bB	1731020605	

Double parallel membrane



* Indoor only

Dimensions (mm)



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



SPP Z

Flat cables grommets

FEATURES

- Up to 65mm large flat cables
- No need of special frames, suitable for all DES family frames
- Same size of 3 SPP

NEW



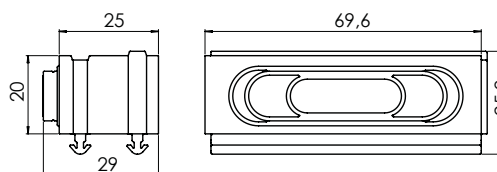
Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

SPP Z3 is a grommet for flat cables designed to accomodate different sizes. The pierceable membrane has multiple sections. It works with the existing DES frames without the need of a dedicated frame. When the cable perforates the membrane it crosses the wall and it is protected from dust and water and offers a very good strain relief. It is particularly recommended for dynamic applications in industrial automation, robotics and cable chains, where flat cables are subject to frequent and continuous movements, to ensure protection against dust and water and effective strain relief at the entry point.

Model	Code	Pcs (/pack)
SPP Z3	1731020730	1



* Indoor only

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES 24 MX15
- DES 24M, MX
- DES 16M, MX
- DES L5, L4, L3

up to IP66 NEMA 12, 4X* UL TYPE 12, 4X





SPP F



Small grommets with threaded inserts

FEATURES

- Grommet with thread for pneumatic connection sleeve and other connectors
- Continuous thread for 1/4" and 1/8" models, only front on M8 / M12

Thanks to the integrated thread, the SPP F series can be used as terminals for sensors, pneumatics, etc.

Material: TPE, brass insert, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPREL
- DESCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX



M8 x 0,5



M12 x 1



SPP F1/8G



M16 x 1,5



SPP F1/4G



Model	Code	Thread	Pcs (/pack)
SPP F8G	1731020708	M8 x 0,5	1
SPP F12G	1731020712	M12 x 1	
SPP F16G	1731020716	M16 x 1,5	
SPP F1/4G	1731020725	1/4"	
SPP F1/8G	1731020728	1/8"	

IP66

NEMA
12, 4X*

UL TYPE
12, 4X

ECOLAB



SPP VENT

Small grommet with pressure compensation valve

FEATURES

- Quick assembly
- M12 thread



SPP VENT is a grommet with a pressure-compensating valve, recommended for environments requiring uniform pressure. The depressurising grommet is inserted into DES splittable frames and thanks to its valve, it compensates for the pressure of the environment and thus avoiding temperature differences and consequent condensation. The ventilation element has an M12x1.5 thread which can be removed to use threaded connectors and sensors.

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DES L
- DESPREL
- DESCLICK

Material: TPE, brass insert, PP valve, halogens and silicones free

Flammability: self-extinguishing acc. UL94-V0

Temperature -40°C... +110°C

Model	Code	Thread	Pcs (/pack)
SPP VENT G	1731020720	M12	1

* Indoor only

IP66

NEMA
12, 4X*

UL TYPE
12, 4X

ECOLAB

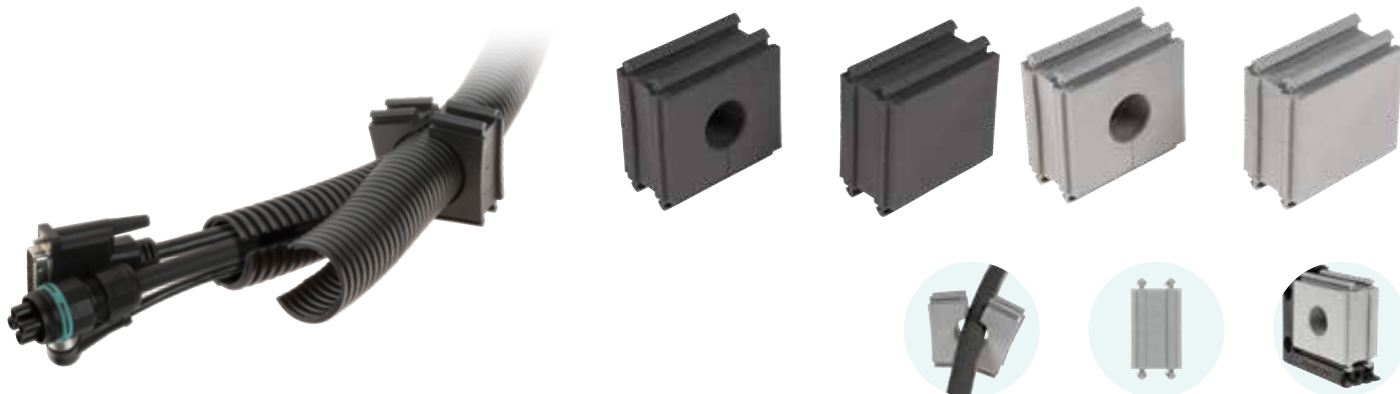




SPG



SPG grommets - large



FEATURES

- Grommets for cables with and without connectors or for corrugated conduits from 17 to 35 mm diameter
- UL94-V0 for both grey and black
- ATEX version on request (Group 7)

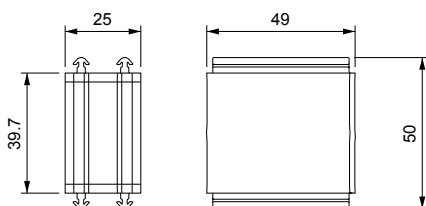
The SPG grommets are designed for cables with or without connectors or for corrugated conduits with diameter from 17 to 35 mm.

Material: TPE, halogens and silicones free
Flammability: self-extinguishing acc. to UL94-V0 (grigio e nero)
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DESPRED
- DES 16M
- DES 16
- DESCCLICK
- DES 16MX
- DES 10
- DES 24M
- UltraTray 4
- DES Q
- DES 24MX

Dimensions (mm)



* Indoor only

Model	Code	Ø Cable min/max (mm)	Model	Code	Pcs (/pack)
SPG 0G	1731022000	"Blind"	SPG 0B	1731022020	10
SPG 17G	1731022117	17-18	SPG 17B	1731022217	
SPG 18G	1731022118	18-19	SPG 18B	1731022218	
SPG 19G	1731022119	19-20	SPG 19B	1731022219	
SPG 20G	1731022120	20-21	SPG 20B	1731022220	
SPG 21G	1731022121	21-22	SPG 21B	1731022221	
SPG 22G	1731022122	22-23	SPG 22B	1731022222	
SPG 23G	1731022123	23-24	SPG 23B	1731022223	
SPG 24G	1731022124	24-25	SPG 24B	1731022224	
SPG 25G	1731022125	25-26	SPG 25B	1731022225	
SPG 26G	1731022126	26-27	SPG 26B	1731022226	
SPG 27G	1731022127	27-28	SPG 27B	1731022227	
SPG 28G	1731022128	28-29	SPG 28B	1731022228	
SPG 29G	1731022129	29-30	SPG 29B	1731022229	
SPG 30G	1731022130	30-31	SPG 30B	1731022230	
SPG 31G	1731022131	31-32	SPG 31B	1731022231	
SPG 32G	1731022132	32-33	SPG 32B	1731022232	
SPG 33G	1731022133	33-34	SPG 33B	1731022233	
SPG 34G	1731022134	34-35	SPG 34B	1731022234	



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB

UL94-V0



RoHS COMPLIANT





SPG K



Blind pierceable large grommets with extended range for cables without connectors

FEATURES

- K1, K2 e K3 for cables without connectors with diameters from 16 to 30 mm
- IP66 for SPG K1, K2 and K3

The SPG K are blind grommets which can be used for cables without connectors with diameter from 16 to 30mm. The SPG K0 can be perforated but the IP protection is not guaranteed. Thanks to the double membrane in the SPG K1-K2-K3 grommets, an optimal protection against dust and water is achieved.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grigio e nero)

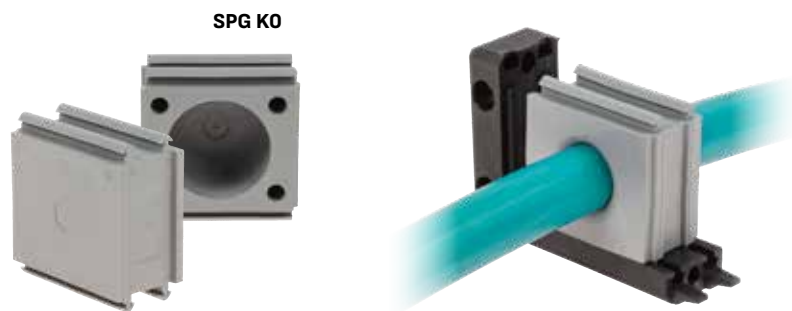
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

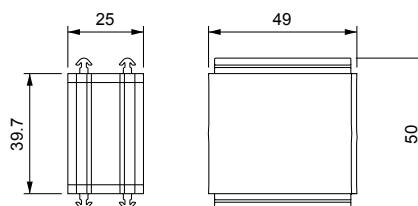
- DES 24
- DES 16
- DES 10
- DES Q
- DESPRED
- DESCLICK
- DES 24M
- DES 24MX
- DES 16M
- DES 16MX
- UltraTray 4



Model	Code	Ø Cable min/max (mm)	Model	Code	Pcs (/pack)
SPG K0G	1731022300	max. 32	SPG K0B	1731022400	10
SPG K1G	1731022310	16 - 22	SPG K1B	1731022410	
SPG K2G	1731022320	23 - 26	SPG K2B	1731022420	
SPG K3G	1731022330	26 - 30	SPG K3B	1731022430	



Dimensions (mm)



* Indoor only



IP66

NEMA 12, 4X*



ECOLAB

UL94-V0



RoHS COMPLIANT





SPG P



SPG multi-range grommets with pyramidal shape

FEATURES

- Universal solution for cables without connectors from 17 to 33 mm diameter
- Can be used on all DES Frames and divisible cable glands
- IP66
- UL94-V0 for both grey and black colors

The SPG P grommets are suitable for cables without connectors. They are used cutting the cone corresponding to the diameter of the cable. The cable is then routed into the grommet where the internal shape is increasing the strain relief.

Is it also possible to secure the cable with a cable tie.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

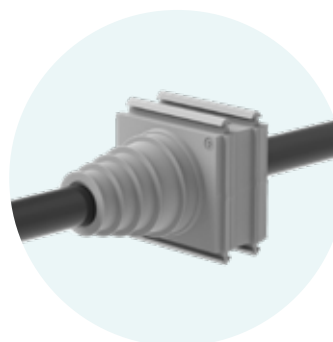
Temperature: -40°C... +110°C (static)



Model	Code	Cable diameter range (mm)	Pcs (/pack)
 SPG PG	1731020745	17 - 33	10
 SPG PB	1731020748		10

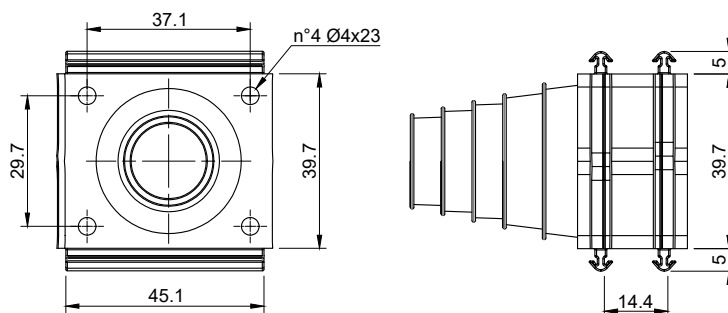
RELATED PRODUCTS

- DES FRAMES
- DESPRED
- DESCLICK 50



1

Dimensions (mm)



* Indoor only



IP66

NEMA
12, 4X*



ECOLAB





SPG M



Multiple large grommets for cables
without connectors

Double parallel membrane



FEATURES

- Multiple grommets for high number of cables without connectors
- Grey and black colours available
- UL94-V0 for both colours
- Strain relief according to EN 62444

The SPG M grommets enable a high number of cables without connectors to be routed into the DES splittable frames.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

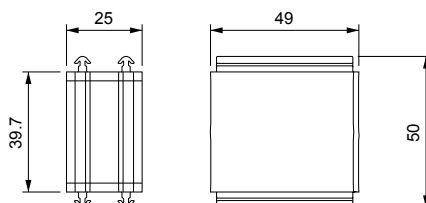
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRE
- DESCLICK
- DES 24M
- DES 24MX
- DES 16M
- DES 16MX
- UltraTray 4

Model		Code	Nr. Cables	Ø Cable (mm)	Pcs (/pack)
NEW	 SPG M2G	17310022302	2	max. 18	10
	 SPG M2B	17310022402			
	 SPG M3G	17310022303	3	max. 16	
	 SPG M3B	17310022403			
	 SPG M4G	17310022304	4	max. 14	
	 SPG M4B	17310022402			
	 SPG M7G	1731022307	4 2 1	max. 13,5 max. 5 max. 9,5	
	 SPG M7B	1731022407			
	 SPG M9G	1731022309	9	max. 8	
	 SPG M9B	1731022409			
	 SPG M14G	1731022314	12 2	max. 6,5 max. 12	
	 SPG M14B	1731022414			
	 SPG M15G	1731022315	15	max. 7	
	 SPG M15B	1731022415			

Dimensions (mm)



* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





SPG W



Large grommets for drives and service connectors



SPG WFP23



SPG WFQ20



SPG WFQ27



SPG W12x1



SPG W25x1,5



SPG WD22



SPG WCK

FEATURES

- Large grommets for panel connectors with diameters 20 and 22 mm, M12, M25, M23 flanges, square openable flanges, feedthrough, quick inserts for pneumatics, etc.
- Useful for quick connections without opening the electrical panel
- Customized solutions on request

The SPG W grommets allow the integration of panel connectors/sockets (Ø 20 and 22 mm, M12, M25, M23 flanges, openable square flanges, feedthrough, quick inserts for pneumatics, etc.) directly on the DES frames.

The advantage is the modularity of the system that allows quick connection and release of cables (data, power, pneumatics, etc.) without opening the machine panel. This plug-in system facilitates the design of increasingly modular machines.

Material: TPE, insert PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRE
- DESCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX

Model	Code	Application	Pcs (/pack)
SPG WFP23	1731020830	For M23 flanges	1
SPG WFQ20	1731020815	For squared openable flange □ 38 mm , hole Ø 20 mm (for M15 connectors)	
SPG WFQ27	1731020820	For squared openable flange □ 38 mm with hole Ø 27 mm (for M23 connectors)	
SPG W12x1	1731020840	For M12 metric threads	
SPG W25x1,5	1731020850	For M25 metric threads	
SPG WD22	1731020810	For Ø 22 mm Panel connectors	
NEW SPG WCK	1731020970	for ILME CK and Harting HAN series connectors	

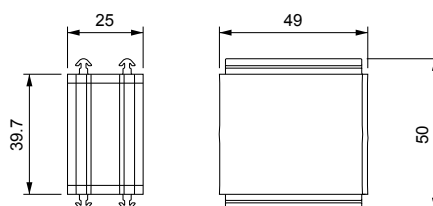
Compatible with a wide variety of panel sockets eg. sockets Ø 20/22 mm, M12, M25, M23 flanges, openable square flanges for M15 and M23 connectors, bulkheads and quick inserts for pneumatics, etc...



Some possible configurations



Dimensions (mm)



* Indoor only

up to
IP66

up to
NEMA
12, 4X*

ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



SPG W22



Large grommets for drives and service connectors



SPG W22 USB 3.0



SPG W22 USB-C



SPG W22 HDMI



SPG W22 RJ45 Cat.6



SPG W22 2xUSB 2.0

FEATURES

- Large grommets with embedded panel connectors with diameter 22 mm
- Aluminum or plastic connectors 180° Female/Female or Female/Male
- Useful for quick connections without opening the electrical panel
- Metal or plastic panel sockets
- Degree of protection IP65



The SPG W22 grommets allow the integration of panel sockets (USB, RJ45 etc...) directly on the DES frame.

The advantage is the modularity of a system that allows the quick coupling and release of data cables without the need to open the machine panel, as well as the guarantee of maintaining a high degree of protection. This plug-in system facilitates the design of increasingly modular machines.

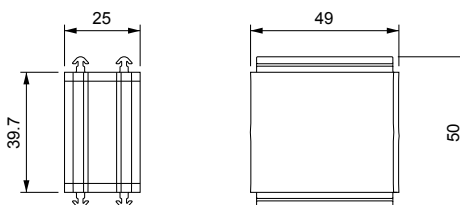
Material: TPE, insert PP+GF, sockets PA66 or aluminium, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +55°C (static)

Model	Code	Application	Pcs (/pack)
SPG W22 USB 3.0	1731020905	With USB 3.0 (f/f) and IP65 cap	1
SPG W22 USB-C	1731020915	With USB-C (f/f) and IP65 cap	
SPG W22 RJ45 Cat.6	1731020930	With RJ45 Cat.6 (f/f) and IP65 cap	
SPG W22 HDMI	1731020935	With HDMI (f/f) and IP65 cap	
SPG W22 2xUSB 2.0	1731020940	With 2 USB 2.0 (f/f) and IP65 cap	

Dimensions (mm)



RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRED
- DESCCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX

* Indoor only

up to
IP65

up to
**NEMA
12, 4X**

ECOLAB

UL94-V0

UV
ISO 4892-2A

**RoHS
COMPLIANT**



SPG WP



Large grommets with connectors for service sockets



SPG WP20 USB 3.0



SPG WP16 USB-C



SPG WP20 RJ45 Cat.6



SPG WP20 HDMI

FEATURES

- SPG grommets with panel sockets Ø 20 and 16 mm, USB, RJ45, HDMI and USB-C
- Female/Female 180°
- Useful for quick connections without opening the electrical panel
- Plastic socket with screw cap
- IP66

SPG WP grommets allow the integration of USB, RJ45 and HDMI panel sockets directly on the DES frames.

The advantage is the modularity of a system that allows the quick coupling and release of data cables without the need to open the machine panel, as well as the guarantee of maintaining a high degree of protection. This plug-in system facilitates the design of increasingly modular machines.

Material: TPE, insert PP+GF, socket PA66, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +55°C (static)

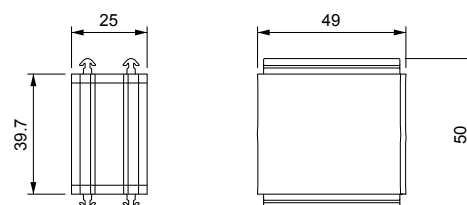
RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRED
- DESCLICK
- DES 24M
- DES 24MX15
- DES 24MX
- DES 16M
- DES 16MX

Model	Code	Application	Pcs (/pack)
SPG WP20 USB 3.0	1731020907	With USB 3.0 (f/f) and cap	1
SPG WP16 USB-C	1731020913	With USB-C (f/f) and cap	
SPG WP20 RJ45 Cat.6	1731020933	With RJ45 Cat.6 (f/f) and cap	
SPG WP20 HDMI	1731020937	With HDMI (f/f) and cap	
SPG WP M12RJ	1731020939	M12 (4P) to RJ45	



Dimensions (mm)



* Indoor only

up to
IP66

up to
NEMA
12, 4X*

ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



Large/Small adapter grommet



FEATURES

- Large grommet which can be used as adapter for one small grommet
- Grey and black colors
- UL94-V0 for both colors

The SPG Y are large grommets that have space inside for mounting a single or multiple small grommet. They are used to avoid blind grommets or when a reduction in the number of grommets is required.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

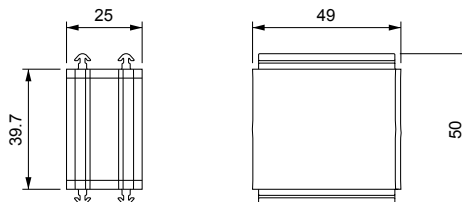
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DESPRED
- DESCCLICK
- DES 24M
- DES 24MX
- DES 16M
- DES 16MX

Model	Code	Pcs (/pack)
 SPG YG	1731022030	10
 SPG YB	1731022035	

Dimensions (mm)





FEATURES

- Grommets for big diameter cables and corrugated conduits
- Cable diameters from 36 to 65 mm
- UL94-V0
- IP54

SPH grommets are used in DES380M and 380MX for cables or corrugated conduits from 36 to 65 mm diameter.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0 (grigio e nero)

Temperature: -40°C... +110°C (static)

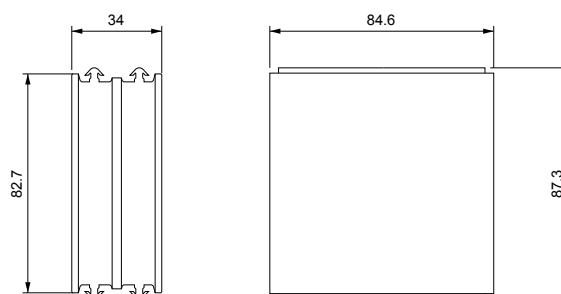
RELATED PRODUCTS

- DES 380M
- DES 380MX

Model	Code	Ø Cable (mm)	Pcs (/pack)
SPH 0G	1731010278	0	1
SPH 38G	1731010281	36-39	
SPH 42G	1731010282	41-44	
SPH 46G	1731010283	43-48	
SPH 50G	1731010284	47-51	
SPH 54G	1731010285	52-56	
SPH 58G	1731010286	56-60	
SPH 62G	1731010287	60-65	



Dimensions (mm)





ISP

Plugs for SPP and SPC series

FEATURES

- Plastic plugs for grommets, from 2 to 16 mm diameter

The ISP series plugs are designed to fit into SPP and SPC grommets with diameters from 2 to 16mm.

Material: PA66, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V2

Temperature: -40°C... +120°C (static)

RELATED PRODUCTS

- SPP grommets (from page 44)
- SPP grommets (from page 49)



Model	Code	Diameter (mm)	Length	Pcs (/pack)	
ISP 2	1731040002	2	30	20	
ISP 3	1731040003	3			
ISP 4	1731040004	4			
ISP 5	1731040005	5			
ISP 6	1731040006	6			
ISP 7	1731040007	7			
ISP 8	1731040008	8	25		20
ISP 9	1731040009	9			
ISP 10	1731040010	10			
ISP 11	1731040011	11			
ISP 12	1731040012	12			
ISP 13	1731040013	13			
ISP 14	1731040014	14			
ISP 15	1731040015	15			
ISP 16	1731040016	16			

up to
IP66

UL94-V0

ISO 4892-2A

RoHS
COMPLIANT

DES CAPS

Caps for splittable frames

FEATURES

- Caps with convex head
- Available with black color
- For DES splittable frames

The DES CAPS keeps the product clean from the front, preventing dirt from settling in the screw seats.

Material: PA66, halogens and silicones free

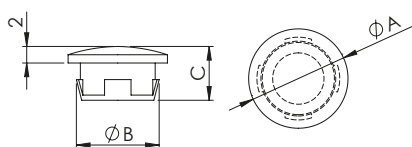
Flammability: self-extinguishing acc. to UL94-V2



RELATED PRODUCTS

- DES 24
- DES 16
- DES 10
- DES Q
- DES L2
- DES L3
- DES L4
- DES L5
- DES FT
- DES 24 MX
- DES 16 M
- DES 16 MX

Dimensions (mm)



Model	Code	Ø Hole (mm)	Dimensions (mm)			Pcs (/pack)
			A	B	C	
DES CAPS	1732019983	9,5	12	10	6,5	50

RoHS
COMPLIANT

UTILITY BOX SPCL



Box with SPC and SPL grommets

FEATURES

- SPC single hole grommets
- SPC multiple hole grommets
- SPL multirange grommets
- Grey or black grommets

The SPCL engineering box contains 212 pcs small SPC and SPL grommets, grey or black. The full range of grommets is included.



RELATED PRODUCTS

- DES XX CLICK
- DES LC
- OSF
- OSF ZIP
- OSF 90

	Model	Code	Dimensions (mm)	Pcs (/pack)
	Utility box SPCL	1736999862	370 x 300 x 90	1
	Utility box SPCL	1736999863		

Grey grommets box contents

Model	Pcs	Model	Pcs	Model	Pcs
SPC		SPC		SPC	
0G	8	2x2G	4	4x2G	4
R1G	6	2x3G	8	4x3G	8
R2G	6	2x4G	8	4x4G	8
R3G	6	2x5G	8	4x5G	4
2G	8	2x6G	4	4x6G	4
3G	8	2x7G	4		
4G	8				
5G	8				
6G	8				
7G	8				
8G	8				
9G	8				
10G	8				
11G	8				
12G	4				
13G	4				
14G	4				

Black grommets box contents

Model	Pcs	Model	Pcs	Model	Pcs
SPC		SPC		SPC	
0B	8	2x2B	4	4x2B	4
R1B	6	2x3B	8	4x3B	8
R2B	6	2x4B	8	4x4B	8
R3B	6	2x5B	8	4x5B	4
2B	8	2x6B	4	4x6B	4
3B	8	2x7B	4		
4B	8				
5B	8				
6B	8				
7B	8				
8B	8				
9B	8				
10B	8				
11B	8				
12B	4				
13B	4				
14B	4				



UTILITY BOX SPP

Box with SPP samples grommets

FEATURES

- SPP single hole grommets
- SPP multiple hole grommets
- Pierceable grommets
- Grey or black grommets

This engineering box contains 168 pcs of small SPP grommets, grey or black.



RELATED PRODUCTS

- DES FRAMES
- DESPREL
- DESCLICK

	Model	Code	Dimensions (mm)	Pcs (/pack)
	Utility box SPPG	1736999860	370 x 300 x 90	1
	Utility box SPPB	1736999861		

Grey SPP grommets box contents

Model	Pcs	Model	Pcs	Model	Pcs
SPP		SPP		SPP K	
0G	4	2x2G	4	K0G	4
2G	4	2x3G	4	K1G	4
R1G	4	2x4G	4	K2G	4
R2G	4	2x5G	4	K3G	4
R3G	4	2x6G	4	K4G	4
R4G	4	2x7G	4		
3G	4	2x8G	4		
4G	4				
5G	4				
6G	4				
7G	4				
8G	4				
9G	4				
10G	4				
11G	4				
12G	4				
13G	4				
14G	4				
15G	4				
16G	4				

Black SPP grommets box contents

Model	Pcs	Model	Pcs	Model	Pcs
SPP		SPP		SPP K	
0B	4	2x2B	4	K0B	4
2B	4	2x3B	4	K1B	4
R1B	4	2x4B	4	K2B	4
R2B	4	2x5B	4	K3B	4
R3B	4	2x6B	4	K4B	4
R4B	4	2x7B	4		
3B	4	2x8B	4		
4B	4				
5B	4				
6B	4				
7B	4				
8B	4				
9B	4				
10B	4				
11B	4				
12B	4				
13B	4				
14B	4				
15B	4				
16B	4				

ULTRATRAY 4

Stackable drawer for SP grommets



FEATURES

NEW

- Organizer drawer for SP grommets
- Equipped with 4 compartments
- Dimensions 290x180x110mm
- Freely movable transparent internal compartment
- Ready for wall mounting

The practical drawer contains 120 grommets from the SPC R or SPP R series, divided into 4 internal adjustable compartments for easy organization. Equipped with slides on all four sides, it is easily stackable and can be placed side by side with other UltraTray 4 drawers, offering a modular and space-saving solution. Ideally suited for organizing and arranging DetasUltra grommets.

RELATED PRODUCTS

- All SP grommets series

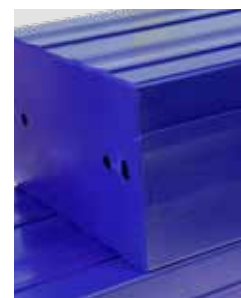


Model	Code	Content	Dimensions (mm)	Pcs (/pack.)
UltraTray 4 SPC R	1736999851	SPC R Grommets	290 x 180 x 110	1
UltraTray 4 SPP R	1736999852	SPP R Grommets	290 x 180 x 110	1
UltraTray 4	1736999850	-	290 x 180 x 110	1



UltraTray 4 SPC R		
SPC R grommets drawer contents		
Model	Ø Cable (mm)	Pcs
0G	-	30
R1G	3 - 6	30
R2G	6 - 9	30
R3G	9 - 12	30

UltraTray 4 SPP R		
SPP R grommets drawer contents		
Model	Ø Cable (mm)	Pcs
R1G	3 - 6	30
R2G	6 - 9	30
R3G	9 - 12	30
R4G	12 - 15	30





DES Z



Cable frame with brush

FEATURES

- Brush frame for cables with or without connectors
- Tidy and cost effective solution
- Available in three sizes (24, 16 and 10)

The DES Z series can be used for cables with or without connectors, when there is no need for liquid tightness and strain relief. Effective protection against dust and dirt.

Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -25°C... +80°C (static)

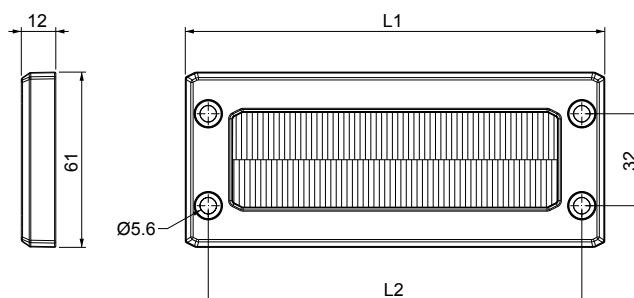
RELATED PRODUCTS

- DES Cover (page 28)
- HY360 hydraulic punch driver (page 162)
- PF cable entry system plates (page 164)



Model	Code	Dimensions (mm)		Max. cut-out (mm)	Pcs (/pack)
		L1	L2		
DES Z 24	1731060024	146	130	112 x 39	10
DES Z 16	1731060016	120	103	86 x 39	
DES Z 10	1731060010	99	83	63 x 39	

Dimensions (mm)



Splittable frame with double brush

FEATURES

- Brush frame for cables with or without connectors
- Double brush offering increased dust protection
- 8 different models [24, 16, 10, Q, L5, L4, L3 and L2]

The DES ZZ is a splittable frame with 2 rows of brushes.

The DES ZZ series can be used for cables with or without connectors, when there is no need for liquid tightness and strain relief. Effective protection against dust and dirt thanks to the double brush.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -25°C... +80°C (static)

RELATED PRODUCTS

- DES Cover (page 28)
- DES Flap (page 29)
- HY360 hydraulic punch driver (page 162)
- PF cable entry system plates (page 164)

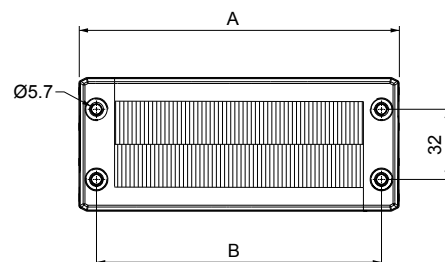
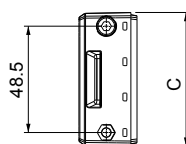
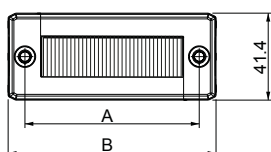
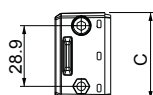


Model	Code	Dimensions (mm)			Max. cut-out (mm)	Pcs (/pack)
		A	B	C		
DES ZZ-24	1731060224	146	130	61	112 x 39	1
DES ZZ-16	1731060216	120	103	61	86 x 39	
DES ZZ-10	1731060210	99	83	61	63 x 39	
DES ZZ-Q	1731060208	74	58	61	40 x 39	
DES ZZ-L5	1731060205	146	130	41,4	108 x 18	
DES ZZ-L4	1731060204	120	103	41,4	86 x 18	
DES ZZ-L3	1731060203	99	83	41,4	63 x 18	
DES ZZ-L2	1731060202	74	58	41,4	40 x 18	
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing				

Dimensions (mm)

DES ZZ-L2 / DES ZZ-L3 / DES ZZ-L4 / DES ZZ-L5

DES ZZ-Q / DES ZZ-10 / DES ZZ-16 / DES ZZ-24





DESCCLICK Z



Divisible frame with single brush

FEATURES

- Without screws
- Metric threads M32 and M50
- Cost efficient solution
- Black version

DESCCLICK Z is a divisible frame with a single brush providing protection against dust and dirt.

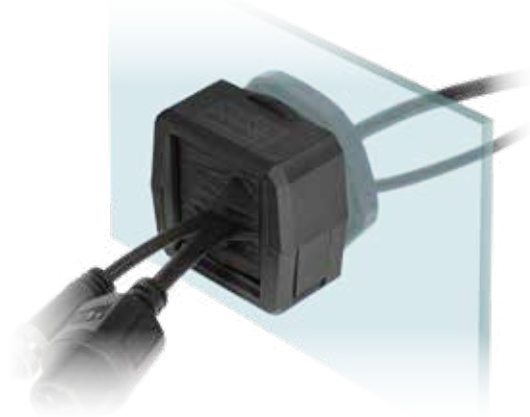
Material: PC, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -25°C... +80°C (static)

RELATED PRODUCTS

- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)

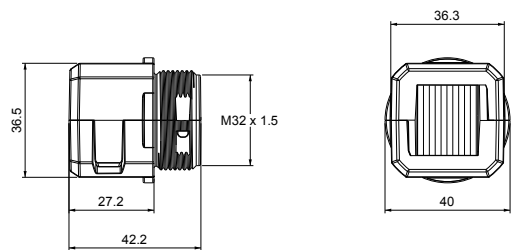


Model	Code	Metric thread	Ø Max. cut-out (mm)	Pcs (/pack)
DESCCLICK Z 32	1731060332	M32 x 1,5	32,5	10
DESCCLICK Z 50	1731060350	M50 x 1,5	50,5	

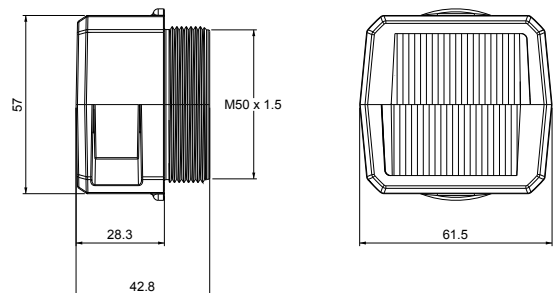
Dimensions (mm)



DESCCLICK Z 32



DESCCLICK Z 50



FEATURES

- Double brush frame for cables with and without connectors
- Frame screws in AISI304 Stainless Steel with Black Dacromet finishing
- Metric threads M32 and M63
- Double frame offering increased dust protection

DESPRED ZZ consists of a square frame with two rows of brushes. Excellent protection is offered against dust and dirt thanks to the double brush.

Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -25°C... +80°C (static)

RELATED PRODUCTS

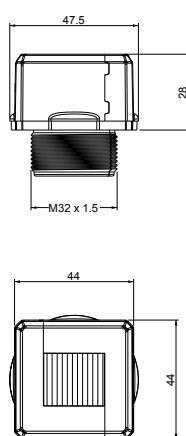
- HY360 hydraulic punch driver (page 162)
- Divisible locknuts (page 41)



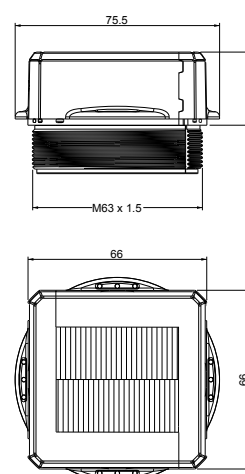
Model	Code	Metric thread	Ø Max. cut-out (mm)	Pcs (/pack)
DESPRED ZZ 32	1731060232	M32 x 1,5	32,5	1
DESPRED ZZ 63	1731060263	M63 x 1,5	63,5	

Dimensions (mm)

DESPRED ZZ 32



DESPRED ZZ 63





DES 24 CLEAN



Splittable frame "Hygienic Design" for cables
with and without connectors

FEATURES

- Easy to wash
- IP66 with all configurations of grommets
- Strain relief according to EN 62444
- Without screw seats and sharp corners
- Overmolded gasket
- Rear installation with overmolded threaded screws

The DES 24 CLEAN splittable frame consists of the well-known DES 24 divisible frame and an FDA PC mask that fixed onto the frame via overmoulded inserts. Therefore, the final solution with the grommets installed is not only a frame with a different color, but it is a device which is in full compliance with the needs of the Hygienic Design in food&beverage machines. The absence of sharp corners, screw seats and the ease of cleaning and removing dirt makes DES 24 Clean an unique solution. The system allows the use of cables with and without connectors with diameters from 2 to 35 mm. The divisible grommets, also produced with FDA certified material, can be freely positioned inside the frame. IP66 or NEMA 4X* protection rating is achieved with any grommets combination.

Material: FDA approved PC, halogens and silicones free

Flammability: acc. UL94-HB

Temperature: -40°C... +80°C

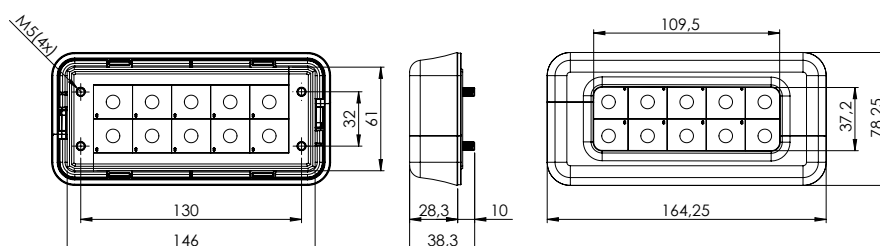
RELATED PRODUCTS

- SPP C grommets (page 74)
- SPG C grommets (page 74)



Model	Code	Some possible configurations	Max. cut-out (mm)	Pcs (/pack)
DES 24 CLEAN	1731260024		112 x 36	1

Dimensions (mm)



IP66





DES Q CLEAN



Splittable frame "Hygienic Design" for cables
with and without connectors

FEATURES

NEW

- Easy to wash
- IP66 with all configurations of grommets
- Strain relief according to EN 62444
- Without screw seats and sharp corners
- Overmolded gasket
- Rear installation with overmolded threaded screws



The DES Q CLEAN splittable frame consists of the well-known DES Q divisible frame and an FDA PC mask that fixed onto the frame via overmoulded inserts. Therefore, the final solution with the grommets installed is not only a frame with a different color, but it is a device which is in full compliance with the needs of the Hygienic Design in food&beverage machines. The absence of sharp corners, screw seats and the ease of cleaning and removing dirt make DES Q Clean an unique solution. The system allows the use of cables with and without connectors with diameters from 2 to 35 mm. The divisible grommets, also produced with FDA certified material, can be freely positioned inside the frame. IP66 or NEMA 4X* protection rating is achieved with any grommets combination.

Material: FDA approved PC, halogens and silicones free

Flammability: acc. UL94-HB

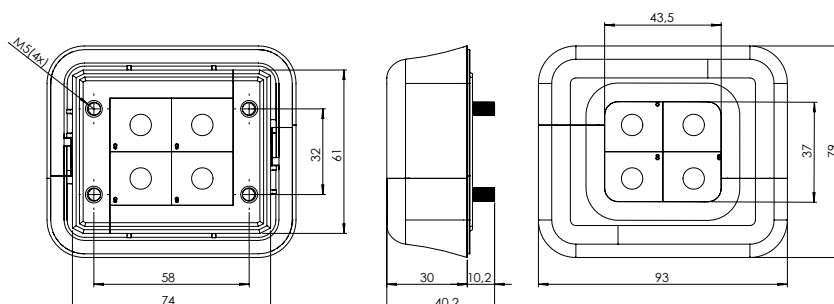
Temperature: -40°C... +80°C

RELATED PRODUCTS

- SPP C grommets (page 74)
- SPG C grommets (page 74)

Model	Code	Some possible configurations	Max. cut-out (mm)	Pcs (/pack)
DES Q CLEAN	1731260008		40 x 36	1

Dimensions (mm)



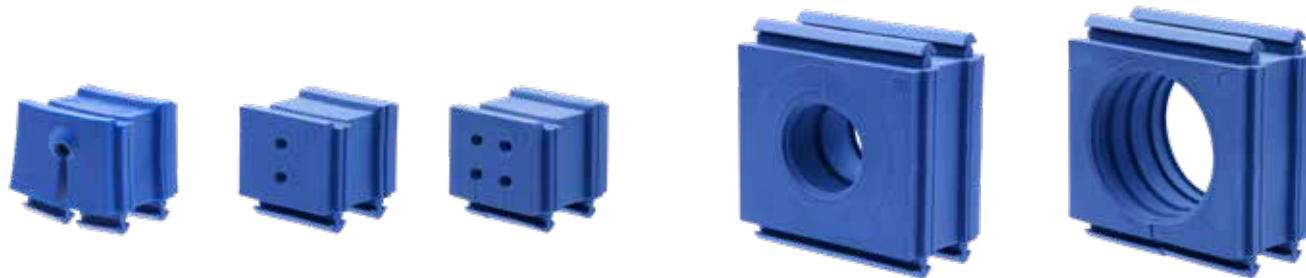
IP66





SPP C / SPG C

FDA small and large grommets



FEATURES

- Cable grommets for cables from 2 to 35 mm diameter
- Single hole, multi-range, double and quadruple
- "Blind" version available
- FDA certified material
- UL94-HB
- Blue color

The FDA grommets SPP C and SPG C are mainly used in food machinery for routing cables with and without connectors with diameters from 2 to 35mm.

The SPP-C 2x and 4x are indicated to increase the number of cables in the same frame.

Material: FDA 21 CFR 177.2600 certified TPE, halogens and silicones free

Flammability: acc. UL94-HB

Temperature: -40°C... +80°C

RELATED PRODUCTS

- DES 24 CLEAN
- DES Q CLEAN

Model	Code	Ø Cable (mm)	Pcs (/pack)
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SPP 0 C	1731260100	"Blind"	10
SPP 2 C	1731260102	2-3	
SPP R1C	1731260103	3-6	
SPP R2C	1731260106	6-9	
SPP R3C	1731260109	9-12	
SPP R4C	1731260112	12-15	
SPP 16 C	1731260116	16-17	



SPP 2x2 C	1731260142	2 x 2	10
SPP 2x3 C	1731260143	2 x 3	
SPP 2x4 C	1731260144	2 x 4	
SPP 2x5 C	1731260145	2 x 5	
SPP 2x6 C	1731260146	2 x 6	
SPP 2x7 C	1731260147	2 x 7	
SPP 2x8 C	1731260148	2 x 8	



SPP 4x2 C	1731260152	4 x 2	10
SPP 4x3 C	1731260153	4 x 3	
SPP 4x4 C	1731260154	4 x 4	
SPP 4x5 C	1731260155	4 x 5	
SPP 4x6 C	1731260156	4 x 6	

Model	Code	Ø Cable (mm)	Pcs (/pack)
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SPG 0 C	1731260117	"Blind"	10
SPG 18 C	1731260118	18-19	
SPG 19 C	1731260119	19-20	
SPG 20 C	1731260120	20-21	
SPG 21 C	1731260121	21-22	
SPG 22 C	1731260122	22-23	
SPG 23 C	1731260123	23-24	
SPG 24 C	1731260124	24-25	
SPG 25 C	1731260125	25-26	
SPG 26 C	1731260126	26-27	
SPG 27 C	1731260127	27-28	
SPG 28 C	1731260128	28-29	
SPG 29 C	1731260129	29-30	
SPG 30 C	1731260130	30-31	
SPG 31 C	1731260131	31-32	
SPG 32 C	1731260132	32-33	
SPG 33 C	1731260133	33-34	
SPG 34 C	1731260134	34-35	

IP66

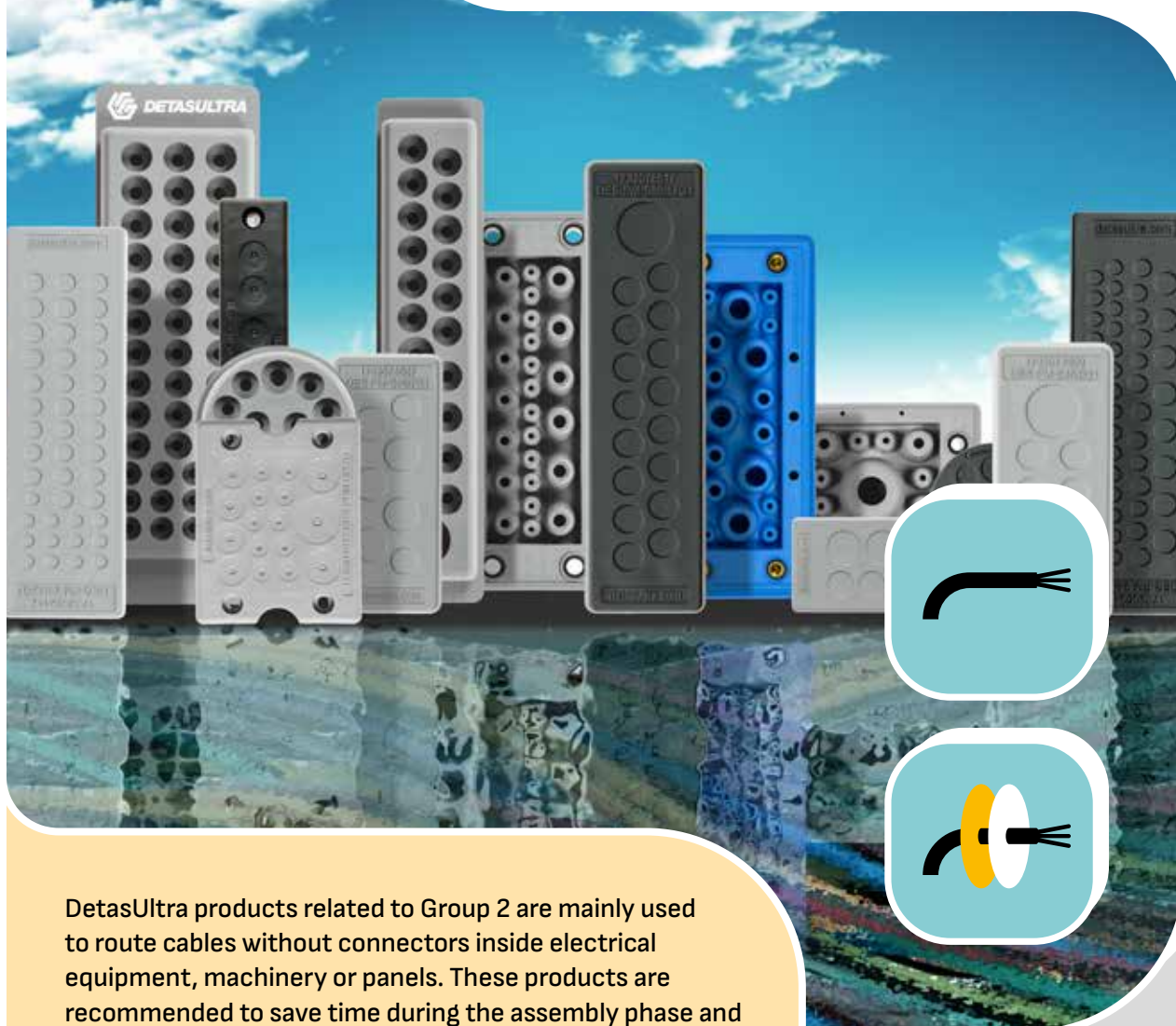
FDA
APPROVED

UL94-HB

RoHS
COMPLIANT

GROUP 2

**CABLE ENTRY PLATES FOR CABLES
WITHOUT CONNECTORS**



DetasUltra products related to Group 2 are mainly used to route cables without connectors inside electrical equipment, machinery or panels. These products are recommended to save time during the assembly phase and to save space compared to traditional cable glands. Many models are available, with round and rectangular shape, for single or multiple cables. The high quality of the proposed solutions is guaranteed by the several certifications and awards achieved by our products over the years.



DES PDM 24

Cable entry plates with internal frame and double membrane



FEATURES

- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Cost efficient solution
- IP66 and Nema 4X* certified
- ATEX version on request (see group 7)
- Threaded inserts version on request

The DES PDM 24 is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

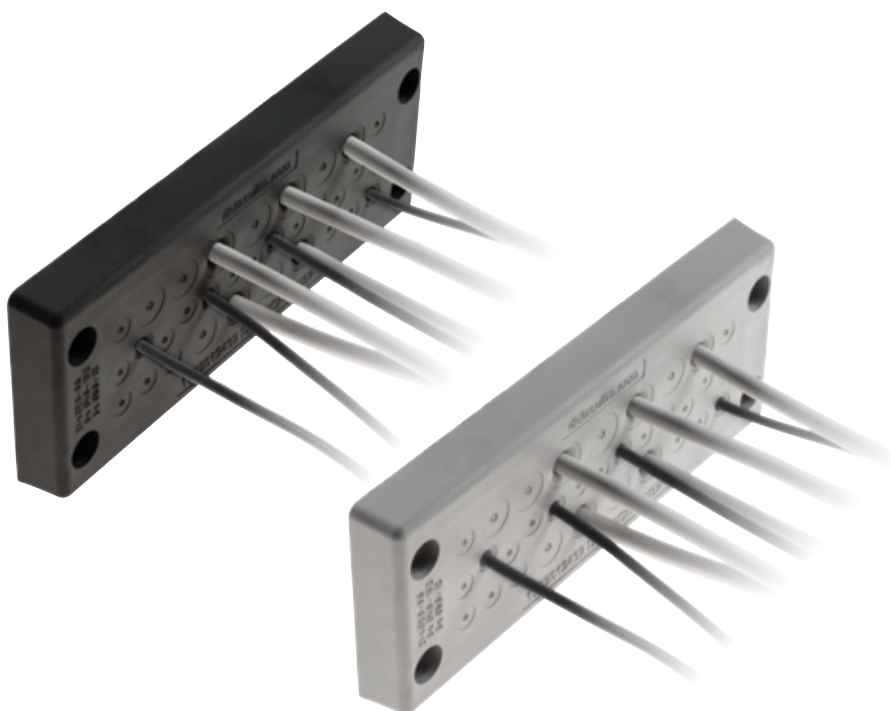
Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- EMCZ 24 (page 150)
- Intumescent gasket (page 161)



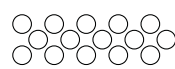
NC: Number of cables

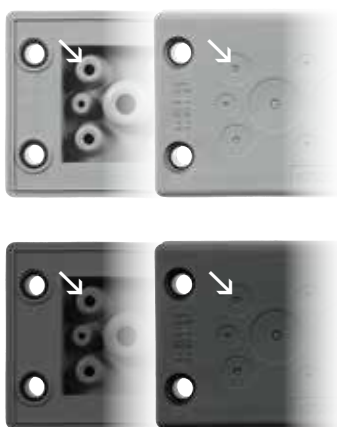
ØC: Diameter of cables - min/max (mm)

Model	Code
DES PDM 24/3G	1732012403
DES PDM 24/3B	1732013403
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC 3
	ØC 18 / 26

Model	Code
DES PDM 24/12G	1732012412
DES PDM 24/12B	1732013412
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC 12
	ØC 9 / 16

Model	Code
DES PDM 24/14G	1732012414
DES PDM 24/14B	1732013415
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC 10 4
	ØC 2,8 / 6,5 14,5 / 22

Model	Code
DES PDM 24/15G	1732012415
DES PDM 24/15B	1732013416
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC 15
	ØC 6,8 / 12



Double parallel membrane

* Indoor only



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X

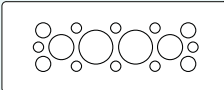


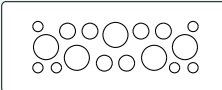


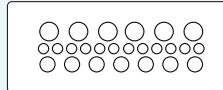
DES PDM 24



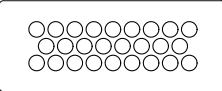
Cable entry plates with internal frame and double membrane

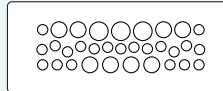
Model	Code
● DES PDM 24/16G	1732012416
● DES PDM 24/16B	1732013417
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	8 2,8 / 6,5
	4 4,4 / 9,7
	2 8,6 / 16,2
	2 14,5 / 22

Model	Code
● DES PDM 24/17G	1732012417
● DES PDM 24/17B	1732013418
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	6 2,8 / 6,5
	6 4,6 / 10,2
	5 8,6 / 16,2

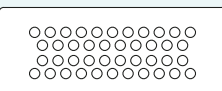
Model	Code
● DES PDM 24/25G	1732012425
● DES PDM 24/25B	1732013426
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	12 2,8 / 6,5
	7 4,4 / 9,7
	6 6,8 / 12

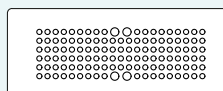


Model	Code
● DES PDM 24/26G	1732012426
● DES PDM 24/26B	1732013427
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	26 4,6 / 10

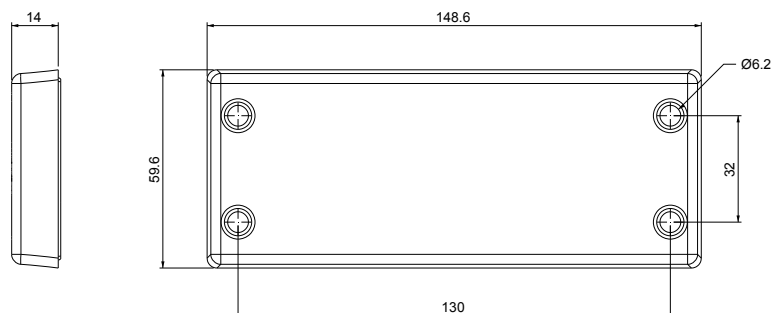
Model	Code
● DES PDM 24/32G	1732012432
● DES PDM 24/32B	1732013433
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	21 2,8 / 6,5
	8 4,6 / 10,2
	3 6,8 / 12



Model	Code
● DES PDM 24/42G	1732012442
● DES PDM 24/42B	1732013443
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	42 2,8 / 6,5

Model	Code
● DES PDM 24/124G	1732012421
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	10
	NC ØC
	120 1,75 / 4,7
	4 2,3 / 6

Dimensions (mm)



* Indoor only



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





DES PDM 10



Cable entry plates with internal frame and double membrane

FEATURES

NEW

- Compact dimensions
- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Space saving and cost efficient solution
- IP66 and Nema 4X* certified
- Threaded inserts version on request

The DES PDM 10 is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipments. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)

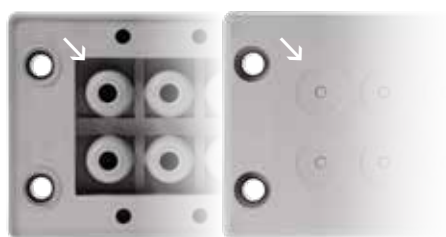


NC: Number of cables **ØC:** Diameter of cables - min/max (mm)

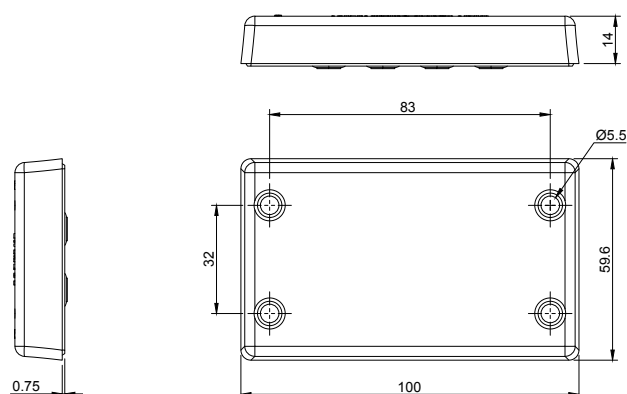
Model	Code		NC	ØC
DES PDM 10/8G	1732011008		8	6,8 / 12
Cut-out / Plate (mm)	Pcs/pack			
65 x 36 / 100 x 59,6	10			

Model	Code		NC	ØC
DES PDM 10/26G	1732011026		26	2,8 / 6,5
Cut-out / Plate (mm)	Pcs/pack			
65 x 36 / 100 x 59,6	10			

Dimensions (mm)



Double parallel membrane



* Indoor only

IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





DES PDM Q



Cable entry plates with internal frame and double membrane

FEATURES

- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Cost efficient solution
- IP66 and Nema 4X* certified
- ATEX version on request (see group 7)
- Threaded inserts version on request

The DES PDM Q is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

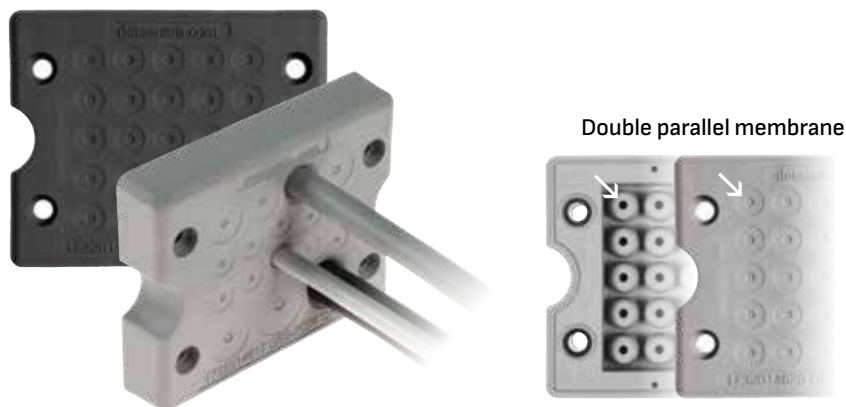
Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)
- HY360 hydraulic punch driver (page 162)
- EMCZ Q (page 150)
- Intumescent gasket (page 161)

NC: Number of cables

ØC: Diameter of cables - min/max (mm)

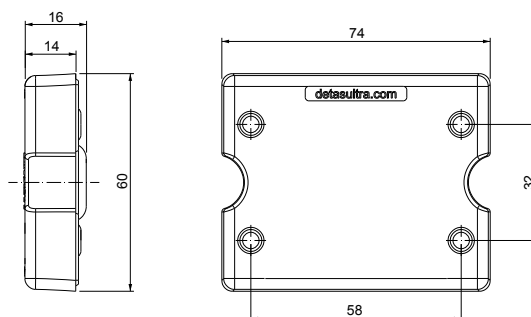


Model	Code		NC	ØC
● DES PDM Q 13G	1732014613		8	2,8 / 6,5
● DES PDM Q 13B	1732015614		4	4,6 / 10,2
			1	14,5 / 22
Cut-out / Plate (mm)	Pcs/pack			
46 x 46 / 74 x 60	10			

Model	Code		NC	ØC
● DES PDM Q 17G	1732014617		10	2,8 / 6,5
● DES PDM Q 17B	1732015618		4	4,6 / 10,2
			2	6,8 / 12
			1	8,6 / 16,2
Cut-out / Plate (mm)	Pcs/pack			
46 x 46 / 74 x 60	10			

Model	Code		NC	ØC
● DES PDM Q 25G	1732014625		25	2,8 / 6,5
● DES PDM Q 25B	1732015626			
Cut-out / Plate (mm)	Pcs/pack			
46 x 46 / 74 x 60	10			

Dimensions (mm)



* Indoor only



IP66

up to
NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





DES PDM 24 FT

Cable entry plates with internal frame and threaded inserts



FEATURES

- Rear installation with M4 threaded inserts
- Frontal closing cap to avoid dirt
- For a large number of cables without connectors
- High strain relief thanks to the double membrane

The DES PDM 24 FT is an innovative alternative to standard cable glands on electrical, electronic cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness. They are equipped with threaded inserts for M4 screws and with front closing caps, which allow assembly from the rear of the frame and keep the product clean from the front, preventing dirt from depositing in the screw seats.

NC: Number of cables ØC: Diameter of cables - min/max (mm)

Model	Code
DES PDM 24/3G FT	1732212403
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10

	NC	ØC
	3	18 / 26

Model	Code
DES PDM 24/12G FT	1732212412
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10

	NC	ØC
	12	9 / 16

Model	Code
DES PDM 24/14G FT	1732212414
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10

	NC	ØC
	10	2,8 / 6,5
	4	14,5 / 22

Model	Code
DES PDM 24/15G FT	1732212415
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10

	NC	ØC
	15	6,8 / 12

Model	Code
DES PDM 24/16G FT	1732212416
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10

	NC	ØC
	8	2,8 / 6,5
	4	4,4 / 9,7
	2	8,6 / 16,2
	2	14,5 / 22

Model	Code
DES PDM 24/17G FT	1732212417
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10

	NC	ØC
	6	2,8 / 6,5
	6	4,6 / 10,2
	5	8,6 / 16,2

* Indoor only



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





DES PDM 24 FT



Cable entry plates with internal frame and threaded inserts



M4 threaded inserts

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- EMCZ 24 (page 150)

Black version upon request

Model	Code
DES PDM 24/25G FT	1732212425
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10
	NC
	ØC
	12 2,8 / 6,5
	7 4,4 / 9,7
	6 6,8 / 12

Model	Code
DES PDM 24/26G FT	1732212426
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10
	NC
	ØC
	26 4,6 / 10

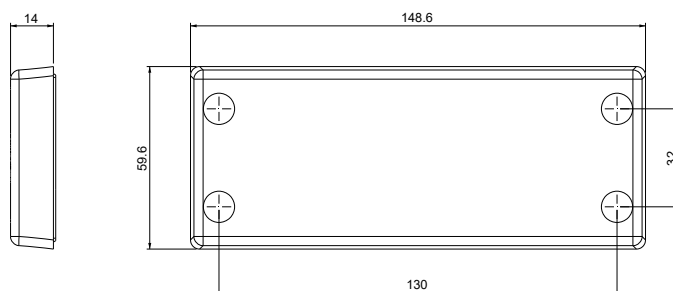
Model	Code
DES PDM 24/32G FT	1732212432
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10
	NC
	ØC
	21 2,8 / 6,5
	8 4,6 / 10,2
	3 6,8 / 12

Model	Code
DES PDM 24/42G FT	1732212442
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10
	NC
	ØC
	42 2,8 / 6,5

Model	Code
DES PDM 24/124G FT	1732213421
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,8 x 59,6	10
	NC
	ØC
	120 1,75 / 4,7
	4 2,3 / 6

NC: Number of cables **ØC:** Diameter of cables - min/max (mm)

Dimensions (mm)



* Indoor only



**IP66
IP68**

**NEMA
12, 4X***

**UL TYPE
12, 4X**





DES PDM 24 ZIP



Cable entry plates with internal frame, threaded inserts
and snap mounting

FEATURES

- Rear installation with M4 threaded inserts
- Smooth angles
- For cables without connectors
- High strain relief thanks to the double membrane
- IP66 and Nema 4X* certified
- Wall thickness for snap mounting 1,5-2 mm



DES PDM 24 ZIP cable entry plates are used for cables without connectors and are characterized by an elegant design with rounded corners which avoid the accumulation of dirt.

Fixing takes place from inside the panel with 4 screws or snapped thanks to the hooks in the rear area.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- EMCZ 24 (page 150)

Model	Code		NC	ØC
DES PDM ZIP 24/13G	1732026013		2	2,8 / 6,5
Cut-out / Plate (mm)	Pcs/pack		6	4,6 / 10,2
112 x 36 / 155 x 66	10		5	8,6 / 16,2

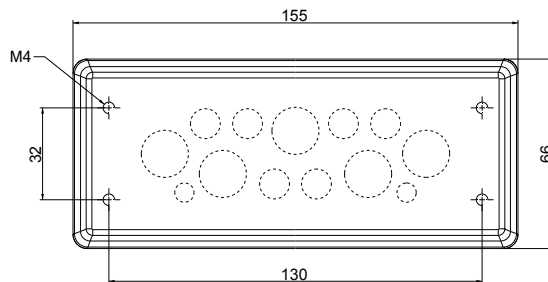
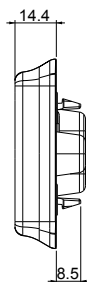
Modello	Codice		NC	ØC
DES PDM ZIP 24/25G	1732026025		12	2,8 / 6,5
Cut-out / Plate (mm)	Pcs/pack		7	4,4 / 9,7
112 x 36 / 155 x 66	10		6	6,8 / 12

Modello	Codice		NC	ØC
DES PDM ZIP 24/32G	1732026032		21	2,8 / 6,5
Cut-out / Plate (mm)	Pcs/pack		8	4,6 / 10,2
112 x 36 / 155 x 66	10		3	6,8 / 12

NC: Number of cables

ØC: Diameter of cables - min/max (mm)

Dimensions (mm)



* Indoor only



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





DES PDM S



Cable entry plates with internal frame and double membrane

FEATURES

- For max 22 cables
- High strain relief thanks to the double membrane
- Cost efficient solution
- Threaded inserts version on request

The DES PDM S is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)



Double parallel membrane

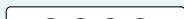


Model	Code					
DES PDM S 112/7G	1732021127		NC 7	ØC 6,8 / 12		
DES PDM S 112/7B	1732022127					
Cut-out / Plate (mm)	Pcs/pack					
112 x 18 / 150 x 32	10					

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)

Model	Code					
● DES PDM S 112/22G	1732021122		NC 22	ØC 3,2 / 6,5		
● DES PDM S 112/22B	1732022122					
Cut-out / Plate (mm)	Pcs/pack					
112 x 18 / 150 x 32	10					

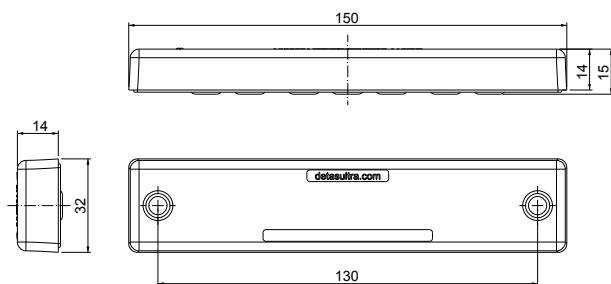
NEW	Model	Code			
	DES PDM S 100/4G	1732021126		NC 4	ØC 6,8 / 12
Cut-out / Plate (mm)		Pcs/pack			
65 x 20 / 96 x 26		10			

NC: Number of cables

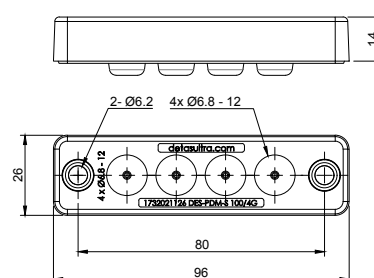
ØC: Diameter of cables - min/max (mm)

Dimensions (mm)

DES PDM S 112/7 - DES PDM S 112/22



DES PDM S 100/4



IP66

NEMA
12

UL TYPE
12



ECOLAB



RoHS
COMPLIANT





DES PDM KN



Cable entry plates - large frame and double membrane

FEATURES

- Up to 72 cables without connectors
- High strain relief thanks to the double membrane
- Internal reinforcing frame
- IP66 - Nema 4X*

The DES PDM KN are multi cable entry plates suitable for the side or the bottom of the cabinet. The fixing holes are for Rittal cabinets. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)



Model	Code		NC	ØC
● DES PDM KN/72G	1732040072		42	2,8 / 6,5
● DES PDM KN/72B	1732041073		21	4,6 / 10,2
			6	8,6 / 16,2
			3	14,5 / 22
Cut-out / Plate (mm)	Pcs/pack			
192 x 62 / 221 x 90	1			

Model	Code		NC	ØC
● DES PDM KN/21G	1732040021		21	9,5 / 17
● DES PDM KN/21B	1732041021			
Cut-out / Plate (mm)	Pcs/pack			
192 x 62 / 221 x 90	1			

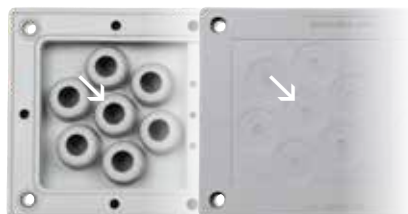
Model	Code		NC	ØC
● DES PDM KN/19G	1732040019		4	3 / 6
● DES PDM KN/19B	1732041020		3	5 / 10
			1	9 / 15
			6	14 / 22
			3	19 / 27
			2	23 / 20
Cut-out / Plate (mm)	Pcs/pack			
192 x 62 / 221 x 90	1			

NC: Number of cables

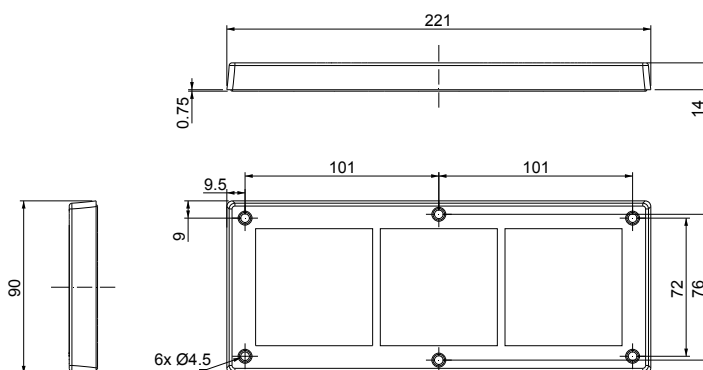
ØC: Diameter of cables - min/max (mm)

Dimensions (mm)

Double parallel membrane



* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12

HL3
EN 45545-2



ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



DES PDMU



Round cable entry grommets for single cable

FEATURES

- Metric sized
- Cost efficient solution
- IP66 - Nema 4X*

The DES PDMU grommets are used to save space and time as alternative to cable glands. They use the metric holes on cabinets or panels and the double membrane ensures a high water and dust protection.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. UL94-V0

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 164)

Double parallel membrane

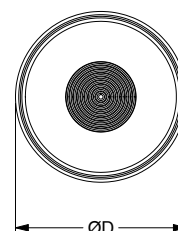
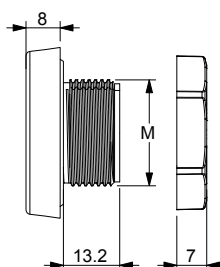


* Indoor only



Model	Code	Nr. Cables	Ø max (mm)	Thread	Dimensions (mm)		Pcs (/pack)
					Cut-out	ØD	
DES PDMU 20G	1732030120	1	10,5	M20	20,5	36	10
DES PDMU 25G	1732030125	1	16	M25	25,5	40	
DES PDMU 32G	1732030132	1	22	M32	32,5	46	
NEW DES PDMU 50G	1732030150	1	36	M50	50,5	64	10
DES PDMU 20B	1732031120	1	10,5	M20	20,5	36	
DES PDMU 25B	1732031125	1	16	M25	25,5	40	
DES PDMU 32B	1732031132	1	22	M32	32,5	46	
NEW DES PDMU 50B	1732031150	1	36	M50	50,5	64	

Dimensions (mm)



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB

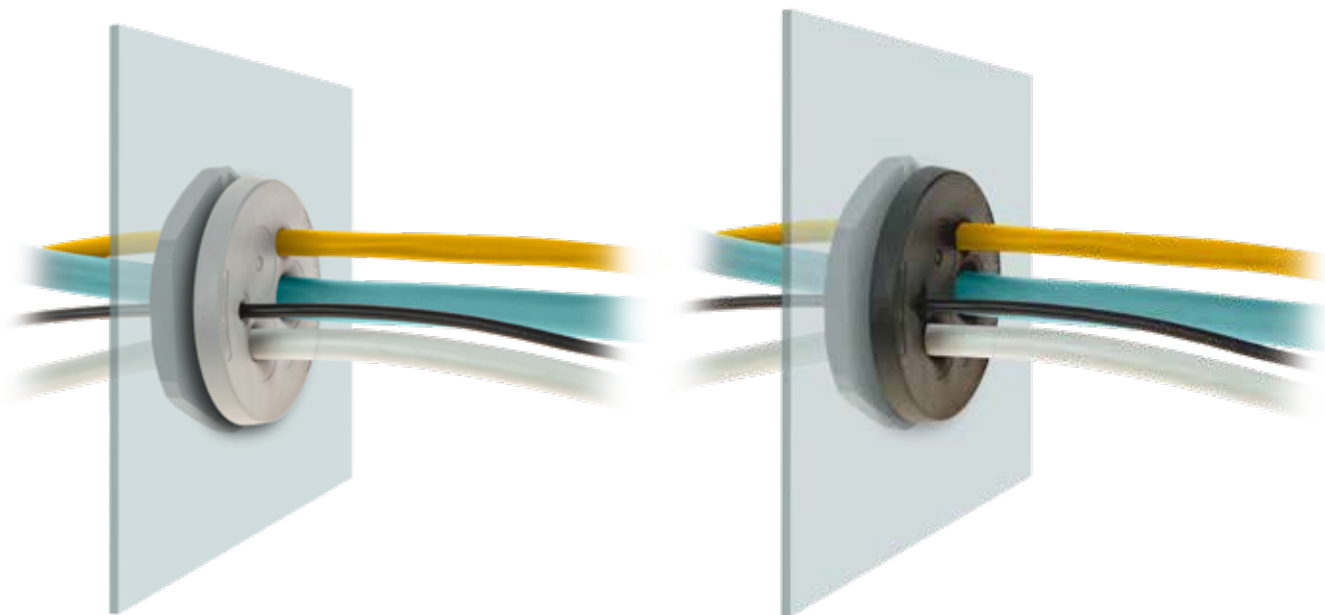




DES PDM M



Round cable entry plates with internal frame
and double membrane



FEATURES

- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Cost efficient solution
- High IP grade IP66-68 Nema 4X*
- ATEX version on request (Group 7)

The cable entry plates series DES PDM M are used to save space and time as alternative to cable glands. They use the metric holes on cabinets or machinery and the double membrane guarantees a high strain relief and water and dust protection. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

NC: Number of cables

ØC: Diameter of cables – min/max (mm)

* Indoor only

Model		Code	
●	DES PDM M20/2G	1732032002	
●	DES PDM M20/2B	1732033002	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M20	36	7	10
		NC	ØC
		2	2 / 5,5

Model		Code	
●	DES PDM M20/3G	1732032003	
●	DES PDM M20/3B	1732033003	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M20	36	7	10
		NC	ØC
		3	2 / 5

Model		Code	
●	DES PDM M20/4G	1732032004	
●	DES PDM M20/4B	1732033004	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M20	36	7	10
		NC	ØC
		4	2 / 4,5

Model		Code	
●	DES PDM M25/4G	1732032504	
●	DES PDM M25/4B	1732033504	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M25	41	7	10
		NC	ØC
		3	2,6 / 6,5
		1	5,5 / 12,5



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X





DES PDM M



Round cable entry plates with internal frame and double membrane

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)
- EMCZ M (page 151)



Model		Code	
	DES PDM M25/6G	1732032506	
	DES PDM M25/6B	1732033507	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M25	41	7	10
		NC	ØC
		6	2,2 / 5

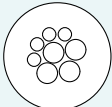
Model		Code	
	DES PDM M32/4G	1732033204	
	DES PDM M32/4B	1732034205	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	46	7	10
		NC	ØC
		3	2,6 / 6,5
		1	5,5 / 12,5

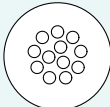
Model		Code	
●	DES PDM M32/4-2G	1732033242	
●	DES PDM M32/4-2B	1732034252	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	46	7	10

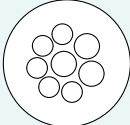


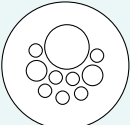
NC	ØC
4	3,5 / 8,8

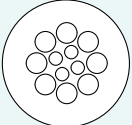
Model		Code	
	DES PDM M32/7G	1732033207	
	DES PDM M32/7B	1732034208	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	46	7	10
		NC	ØC
		7	2,6 / 6,5

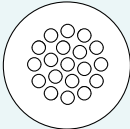
Model		Code	
	DES PDM M40/8G	1732034008	
	DES PDM M40/8B	1732035009	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M40	54	7	10
		NC	ØC
		4	2,6 / 6,5
		4	4 / 10,2

Model		Code	
	DES PDM M40/12G	1732034012	
	DES PDM M40/12B	1732034013	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M40	54	7	10
		NC	ØC
		12	2 / 6

Model		Code	
	DES PDM M50/8G	1732035008	
	DES PDM M50/8B	1732036009	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	10
		NC	ØC
		5	4,6 / 10,2
		3	6,8 / 12,5

Model		Code	
●	DES PDM M50/10G	1732035010	
●	DES PDM M50/10B	1732036011	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	10
		NC	ØC
		7	2,8 / 6,5
		2	4,6 / 10,2
		1	14,5 / 22

Model		Code	
●	DES PDM M50/12G	1732035012	
●	DES PDM M50/12B	1732036013	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	10
		NC	ØC
		4	2,8 / 6,5
		8	4,6 / 10,2

Model		Code	
	DES PDM M50/19G	1732035019	
	DES PDM M50/19B	1732036020	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	10
			
		NC	ØC
		19	2,8 / 6,5



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X

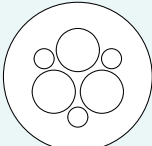


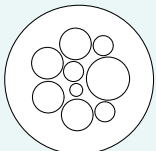


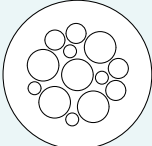
DES PDM M

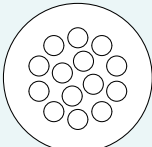


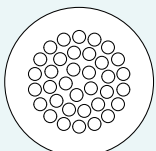
Round cable entry plates with internal frame
and double membrane

Model		Code	
	DES PDM M63/6G	1732036306	
	DES PDM M63/6B	1732037307	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	10
		NC	ØC
		3	4,6 / 10,2
		3	10,9 / 20

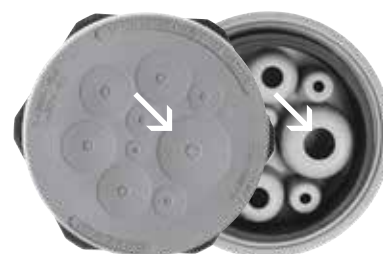
Model		Code	
	DES PDM M63/9G	1732036309	
	DES PDM M63/9B	1732037310	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	10
		NC	ØC
		1	2,6 / 6
		3	4,6 / 10,2
		4	8,6 / 16,2
		1	10,9 / 20

Model		Code	
	DES PDM M63/13G	1732036313	
	DES PDM M63/13B	1732037314	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	10
		NC	ØC
		4	2,8 / 6
		4	4,6 / 10,2
		5	9,5 / 16,2

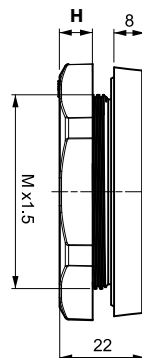
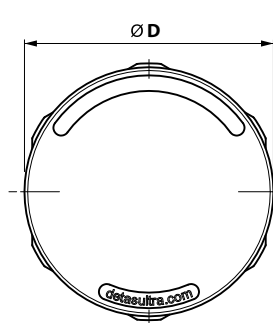
Model		Code	
 DES PDM M63/14G	1732036314		
 DES PDM M63/14B	1732037315		
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	10
		NC 14	ØC 5 / 10

Model		Code	
	DES PDM M63/35G	1732036335	
	DES PDM M63/35B	1732037336	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	10
		NC	ØC
		35	2,6 / 5,5

Double parallel membrane



Dimensions (mm)



Recommended tightening torque 8 Nm



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X





Round base, cone-shaped grommet with locknut

FEATURES

- For diameters from 2,5 to 64 mm
- Reinforcing base plate
- Cost efficient solution
- UL94-V0 for grey and black
- ATEX version on request (Group 7)

The DES PDP is available in M25, M32, M40, M50, M63 and M75 sizes, enabling non-terminated cables with diameter from 2,5 to 64 mm to pass through the walls of the electrical cabinets.

The reinforcing base plate increases the stability when large cables are used.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

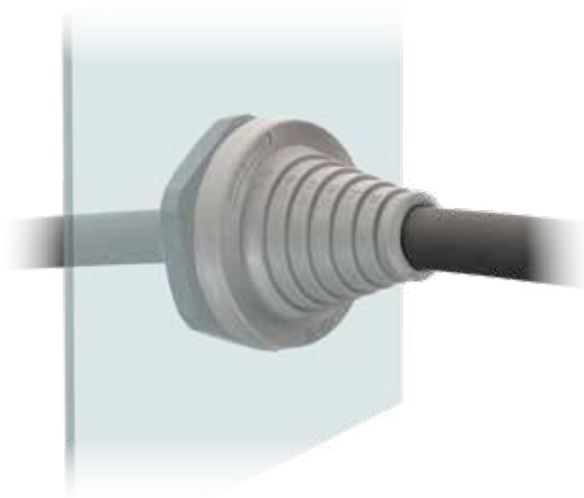
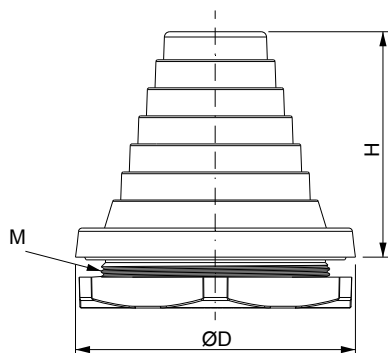
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- HY360 hydraulic punch driver (page 162)



Dimensions (mm)



Model	Code	Nr. Cables	Ø Cable min/max (mm)	M	Dimensions (mm)			Pcs x conf.
					Cut-out	ØD	H	
DES PDP 25G	1732050025	1	2,5 / 17	M25 x 1,5	25,5	39	46.5	10
DES PDP 32G	1732050032	1	5 / 23	M32 x 1,5	32,5	46	55.2	
DES PDP 40G	1732050040	1	8 / 29	M40 x 1,5	40,5	54	62	
DES PDP 50G	1732050050	1	17 / 42	M50 x 1,5	50,5	64	50	
DES PDP 63G	1732050063	1	23 / 55	M63 x 1,5	63,5	77	62	
DES PDP 75G	1732050075	1	38 / 64	M75 x 2	75,5	89	64	

Model	Code	Nr. Cables	Ø Cable min/max (mm)	M	Dimensions (mm)			Pcs x conf.
					Cut-out	ØD	H	
DES PDP 25B	1732052025	1	2,5 / 17	M25 x 1,5	25,5	39	46.5	10
DES PDP 32B	1732052032	1	5 / 23	M32 x 1,5	32,5	46	55.2	
DES PDP 40B	1732052040	1	8 / 29	M40 x 1,5	40,5	54	62	
DES PDP 50B	1732052050	1	17 / 42	M50 x 1,5	50,5	64	50	
DES PDP 63B	1732052063	1	23 / 55	M63 x 1,5	63,5	77	62	
DES PDP 75B	1732052075	1	38 / 64	M75 x 2	75,5	89	64	



DES PDPS



Front mounting single cable conical shaped grommets

FEATURES

- For diameters from 23 to 64 mm
- Reinforcing base plate
- Cost efficient solution
- UL94-V0 for grey and black
- ATEX version on request (Group 7)

The DES PDPS is available in two sizes, enabling non-terminated cables with diameter from 23 to 64 mm to pass through the walls of the electrical cabinets. The installation of the PDPS is made from the front part, not needing to screw a nut from the opposite part of the wall. The reinforced base plate increases the stability when large cables are used.

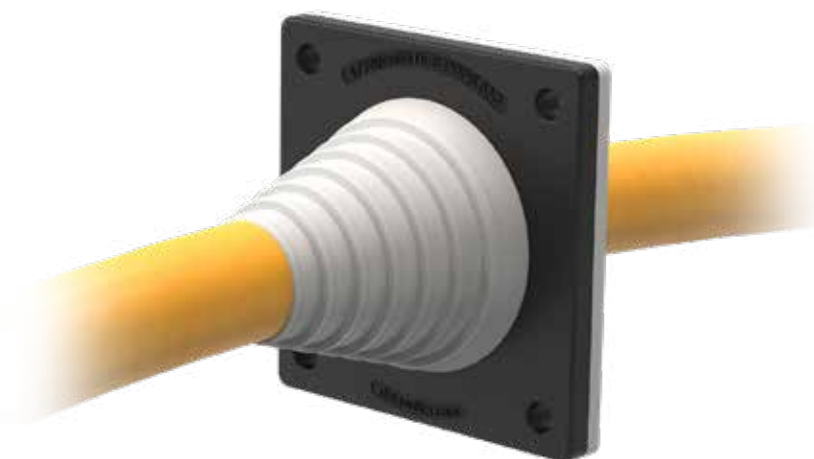
Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

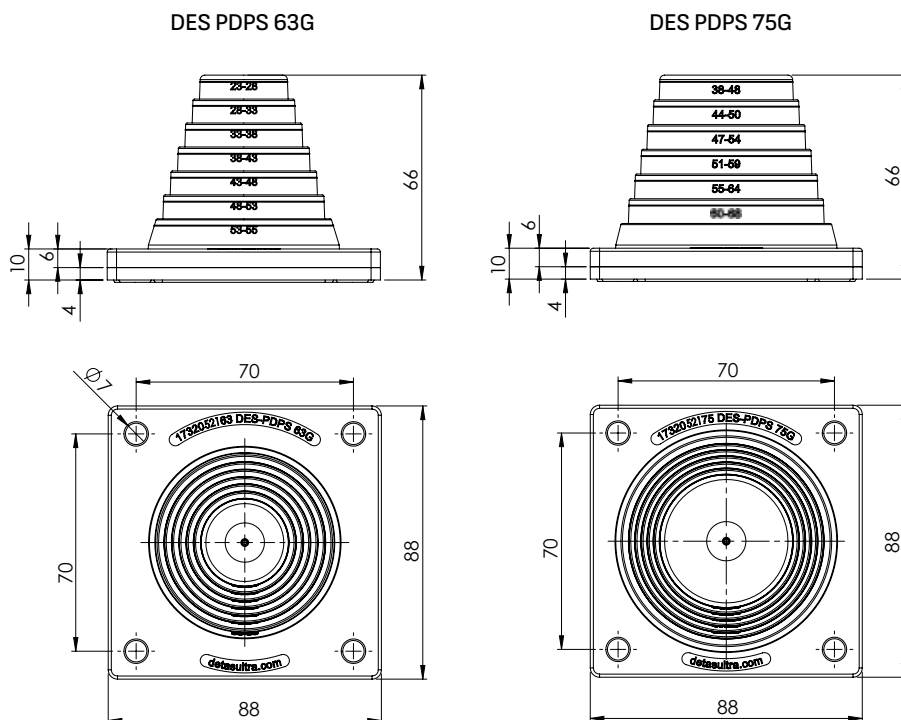
RELATED PRODUCTS

- HY360 hydraulic punch driver (page 162)



Model	Code	Nr. Cables	Ø Cable min/max (mm)	Ø Hole (mm)	Dimensions (mm)		Pcs x conf.
					Base	Height	
DES PDPS 63G	1732052163	1	23 / 55	max 63,5	88 x 88	66	10
DES PDPS 75G	1732052175	1	38 / 64	max 75,5	88 x 88	66	

Dimensions (mm)



up to
IP66

up to
NEMA
12

UL TYPE
12





DES PMH 6



Cable entry plates with internal frame and double membrane

FEATURES

NEW

- Compact dimensions
- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Space saving and cost efficient solution
- IP66 and Nema 4X* certified
- Threaded inserts version on request



The DES PMH 6 is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

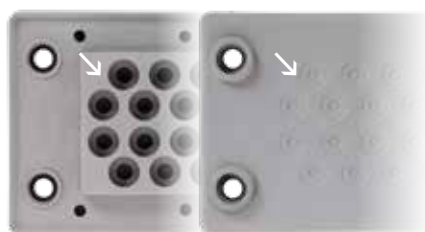
- IFP plugs (page 101)
- DES PDM caps (page 101)
- Intumescent gasket (page 161)

Model	Code		NC	ØC
DES PDM 6/12G	1732010612		12	4,4 / 8,1
Cut-out / Plate (mm)	Pcs/pack			
36 x 52 / 87 x 55,6	10			

Model	Code		NC	ØC
DES PDM 6/18G	1732010618		18	3,1 / 6,5
Cut-out / Plate (mm)	Pcs/pack			
36 x 52 / 87 x 55,6	10			

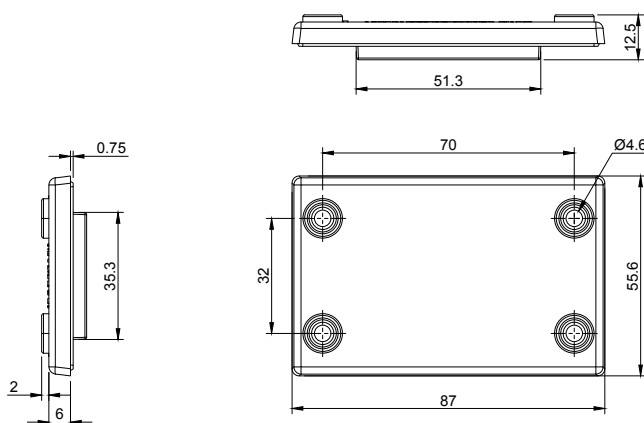
NC: Number of cables

ØC: Diameter of cables - min/max (mm)



Double membrane

Dimensions (mm)



* Indoor only

IP54
IP66

NEMA
12, 4X*

UL TYPE
12, 4X

HL3
EN 45545-2

APPROVED
MARK TYPE

ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



DES PM 24

Cable entry plates with double membrane



FEATURES

- For a large number of cables
- High strain relief thanks to the double membrane
- Cost-efficient solution
- IP65

The DES PM 24 is an alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

Wall thickness: from 1,5 to 2,5 mm

RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)

NC: Number of cables

ØC: Diameter of cables - max (mm)

Model	Code		NC	ØC
● DES PM 24/12G	1732052412		12	15
● DES PM 24/12B	1732053413			
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10		

Model	Code		NC	ØC
● DES PM 24/14G	1732052414		14	12,1
● DES PM 24/14B	1732053415			
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10		

Model	Code		NC	ØC
● DES PM 24/17G	1732052417		12	12,6
● DES PM 24/17B	1732053418			
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10		

Model		Code		NC	ØC
 DES PM 24/18G		1732052418		4	6,5
 DES PM 24/18B		1732053419		5	10,5
				5	12,6
Cut-out	Plate	Pcs/pack		4	16,1
112 x 36 mm <i>max: +0,5 mm</i>	144 x 46 mm	10			



IP65

NEMA
12

UL TYPE
12



ECOLAB



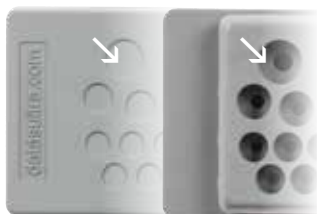


DES PM 24

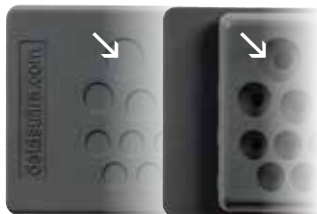


Cable entry plates with double membrane

Double parallel membrane



Double parallel membrane



Model	Code			
DES PM 24/20G	1732052420		NC	ØC
DES PM 24/20B	1732053421		13	6,5
			7	12,1
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10		

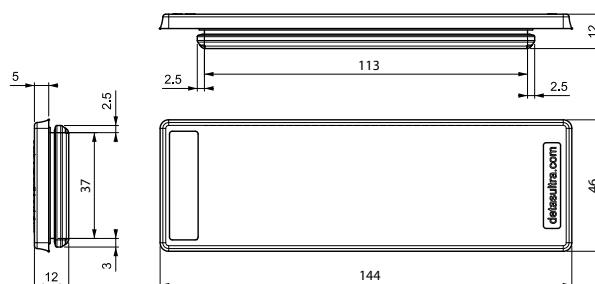
Model	Code			
DES PM 24/26G	1732052426		NC	ØC
DES PM 24/26B	1732053427		16	6,5
			4	12,1
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10	4	16,1
			2	ASI

Model	Code			
DES PM 24/42G	1732052442		NC	ØC
DES PM 24/42B	1732053443		1	4,7
			12	5
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10	17	6,4
			12	7,2

Model	Code			
DES PM 24/48G	1732052448		NC	ØC
DES PM 24/48B	1732053449		48	6,5
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10		

Model	Code			
DES PM 24/50G	1732052450		NC	ØC
DES PM 24/50B	1732053451		33	5,3
			9	6,4
Cut-out	Plate	Pcs/pack		
112 x 36 mm max: +0,5 mm	144 x 46 mm	10	8	8,3

Dimensions (mm)



IP65

NEMA
12

UL TYPE
12



ECOLAB

UL94-V0



RoHS
COMPLIANT



DES PM 16



Cable entry plates with double membrane

FEATURES

NEW

- For a large number of cables
- High strain relief thanks to the double membrane
- Space saving and cost-efficient solution
- High IP protection (IP65)

The DES PM 16 is an alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

Wall thickness: from 1,5 to 2,5 mm

RELATED PRODUCTS

- IFP plugs (page 101)



Model	Code		NC	ØC
DES PM 16/20G	1732052320		20	8,3
Cut-out	Plate	Pcs/pack		
86 x 36 mm	98 x 46 mm	10		

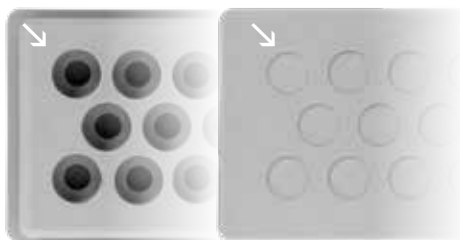
Model	Code		NC	ØC
DES PM 16/23G	1732052323		18,5 \$2,1	8,3
Cut-out	Plate	Pcs/pack		
86 x 36 mm	98 x 46 mm	10		

Model	Code		NC	ØC
DES PM 16/26G	1732052326		19 7	6,5 8,3
Cut-out	Plate	Pcs/pack		
86 x 36 mm	98 x 46 mm	10		

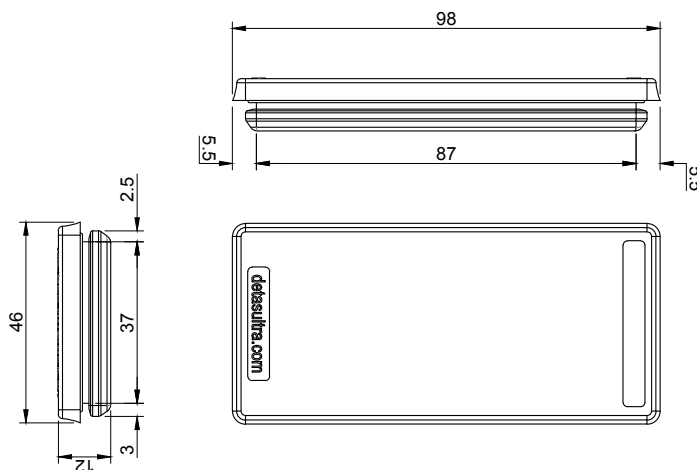
NC: Number of cables

ØC: Diameter of cables - max (mm)

Dimensions (mm)



Double parallel membrane



IP65

NEMA
12

UL TYPE
12



ECOLAB

UL94-V0



RoHS
COMPLIANT



DES PM S



Cable entry plates with double membrane



FEATURES

- For a large number of cables
- High retaining force thanks to the double membrane
- Cost efficient solution
- High IP protection (IP65)

The DES PM S is an alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

Wall thickness: from 1,5 to 2,5 mm

RELATED PRODUCTS

- IFP plugs (page 101)

NC: Number of cables

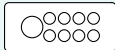
ØC: Diameter of cables - max (mm)

Double parallel membrane



* Indoor only

Model		Code
	DES PM S 46/7G	1732074607
	DES PM S 46/7B	1732074608
Cut-out	Plate	Pcs/pack
46 x 18 mm <i>max: +0,5 mm</i>	64 x 28 mm	10
		
	NC	ØC
	2	6,5
	5	8,3

Model		Code
	DES PM S 46/9G	1732074609
	DES PM S 46/9B	1732074610
Cut-out	Plate	Pcs/pack
46 x 18 mm <i>max: +0,5 mm</i>	64 x 28 mm	10
		
	NC	ØC
	8	6,5
	1	12,1

Model		Code
	DES PM S 69/8G	1732076908
	DES PM S 69/8B	1732076909
Cut-out	Plate	Pcs/pack
69 x 10 mm <i>max: +0,5 mm</i>	86 x 20 mm	10
		
	NC 8	ØC 7,5

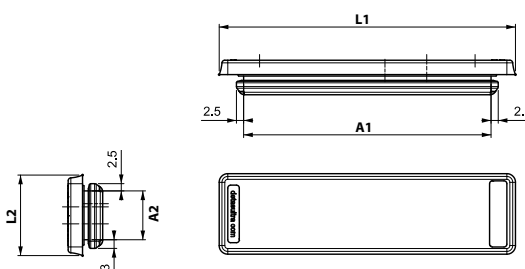
Model		Code
	DES PM S 86/11G	1732078611
	DES PM S 86/11B	1732078612
Cut-out	Plate	Pcs/pack
85 x 18 mm <i>max: +0,5 mm</i>	103 x 28 mm	10
		
	NC	ØC
	2	6,5
	9	8,35

Model		Code
	DES PM S 86/17G	1732078617
	DES PM S 86/17B	1732078618
Cut-out	Plate	Pcs/pack
85 x 18 mm <i>max: +0,5 mm</i>	103 x 28 mm	10
		
	NC	ØC
	16	6,5
	1	12,1

Model		Code
●	DES PM S 112/21G	1732071221
●	DES PM S 112/21B	1732071222
Cut-out	Plate	Pcs/pack
112 x 18 mm <i>max: +0,5 mm</i>	130 x 28 mm	10
		NC
		ØC
		16
		4
		1
		6,5
		8,3
		12,1



Dimensions (mm)



Cut-out: A1 x A2

Plate: L1 x L2



IP65

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB

UL94-V0

UV
ISO 4892-2A

RoHS
COMPLIANT



DES PMU



Round cable entry grommets with double membrane for single cable

FEATURES

- Metric sizes
- Quick to install
- Cost efficient solution
- High IP protection (IP66)
- Reduced thickness

The round metric grommet is an alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE, halogens and silicones free

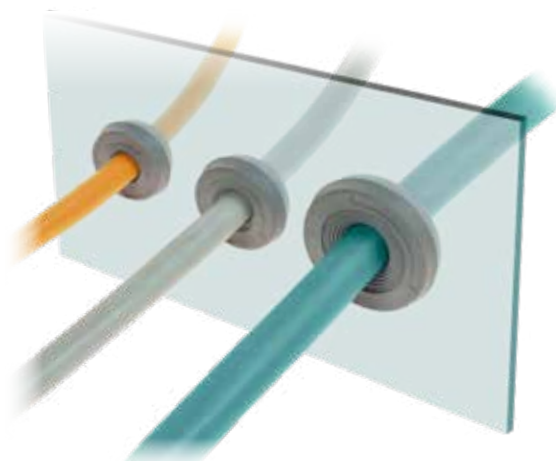
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

Wall thickness: from 1,5 to 2,5 mm

RELATED PRODUCTS

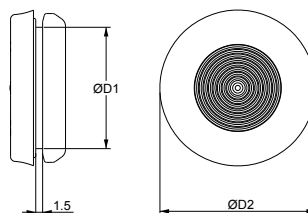
- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)



Model	Code	Nr. Cables	Ø Cable max (mm)	Dimensions (mm)		Pcs (/pack)
				ØD1	ØD2	
 DES PMU 16G	1732060116	1	10	16,5	24	10
 DES PMU 20G	1732060120	1	13	20,5	29	
 DES PMU 25G	1732060125	1	15	25,4	34	
 DES PMU 32G	1732060132	1	22	32,5	40	
 DES PMU 16B	1732061116	1	10	16,5	24	
 DES PMU 20B	1732061120	1	13	20,5	29	
 DES PMU 25B	1732061125	1	15	25,4	34	
 DES PMU 32B	1732061132	1	22	32,5	40	

Dimensions (mm)

Double parallel membrane



* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB





Round multi-range grommets for single cable

FEATURES

NEW

- For cable with or without connectors
- Multi range
- Cost-efficient solution
- IP54

The DES PMA is a multi-range cable grommet designed to route preterminated cables through walls with metric cut-outs. The part is molded open and returns to its closed position after the cable has been inserted, while the simultaneous wall mounting guarantees mechanical and liquid tightness.

Material: TPE, halogens and silicones free

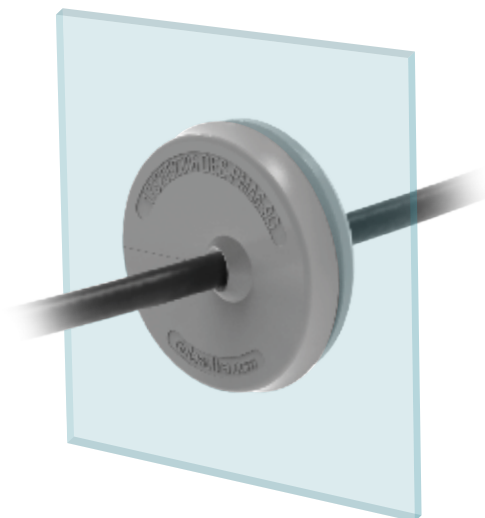
Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +105°C (static)

Wall thickness: from 1,5 to 2,5 mm

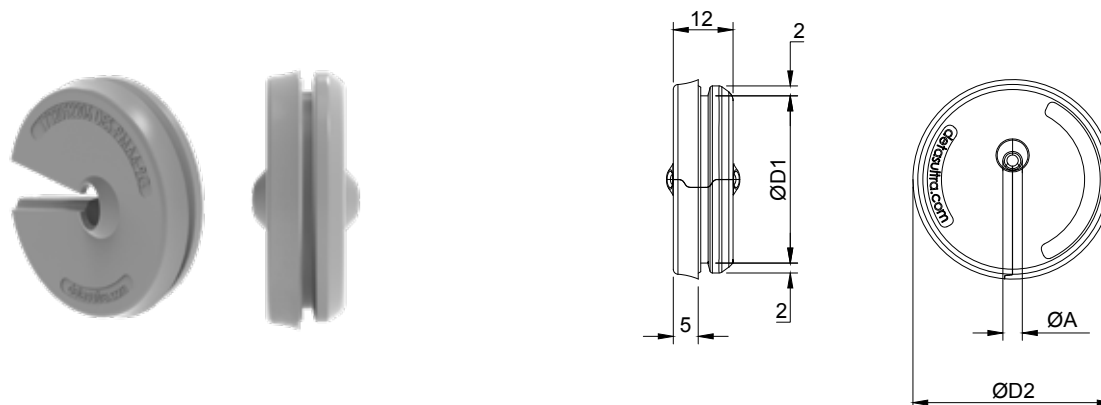
RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)



Model	Code	Nr. Cables	A - Ø Cable min - max (min - mm)	Dimensions (mm)		Pcs (/pack)
				ØD1	ØD2	
DES PMA32-R1G	1732052203	1	3 - 6	33,5	40	10
DES PMA32-R2G	1732052206	1	6 - 9	33,5	40	

Dimensions (mm)



IP54



ECOLAB

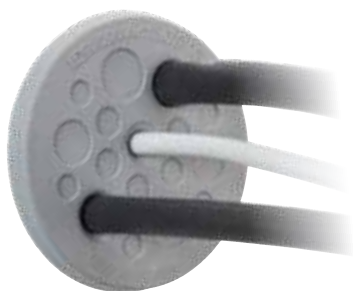




DES PM M



Round cable entry plates with double membrane



NC: Number of cables
ØC: Diameter of cables - max (mm)

FEATURES

- For a large number of cables
- High retaining force thanks to the double membrane
- Cost efficient solution
- High IP protection (IP65)
- Metric sizes

The round metric DES PM M is an alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

Wall thickness:

- Type 1 - from 1,5 to 2,5 mm
- Type 2 - from 2,8 to 4 mm

RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)

Model	Code
DES PM M 25/4G	1732062504
DES PM M 25/4B	1732063505

ØD1	ØD2	Pz/conf.
min: 25 mm max: 26 mm rec.: 25,5 mm	Ø 34 mm	10

	NC 4	ØC 8
--	----------------	----------------

TYPE 1

Model	Code
DES PM M 25/6G	1732062506
DES PM M 25/6B	1732063507

ØD1	ØD2	Pz/conf.
min: 25 mm max: 26 mm rec.: 25,5 mm	Ø 34 mm	10

	NC 4 2	ØC 5,2 9,4
--	---------------------	-------------------------

TYPE 1

Model	Code
DES PM M 32/10G	1732063210
DES PM M 32/10B	1732064211

ØD1	ØD2	Pz/conf.
min: 32 mm max: 33 mm rec.: 32,5 mm	Ø 40 mm	10

	NC 6 2 2	ØC 5,2 6,4 9,4
--	--------------------------	--------------------------------

TYPE 1

Model	Code
DES PM M 32/10G	1732263210
DES PM M 32/10B	1732264211

ØD1	ØD2	Pz/conf.
min: 32 mm max: 33 mm rec.: 32,5 mm	Ø 40 mm	10

	NC 6 2 2	ØC 5,2 6,4 9,4
--	--------------------------	--------------------------------

TYPE 2

Model	Code
DES PM M 40/16G	1732064016
DES PM M 40/16B	1732064017

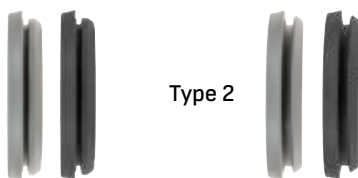
ØD1	ØD2	Pz/conf.
min: 40 mm max: 41 mm rec.: 40,5 mm	Ø 52 mm	10

	NC 2 10 2 2	ØC 3,8 5,3 8,3 10,3
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TYPE 1

Type 1

Type 2



Double parallel membrane



IP65
IP66

NEMA
12

UL TYPE
12



ECOLAB

UL94-V0



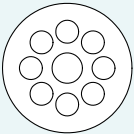
RoHS
COMPLIANT

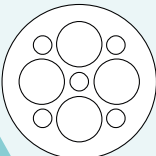


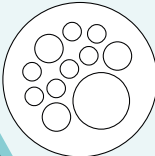
DES PM M

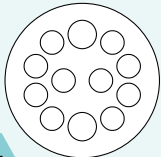


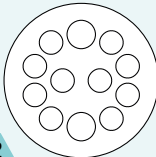
Round cable entry plates with double membrane

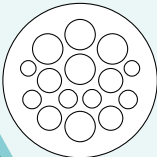
Model		Code
	DES PM M 40/9G	1732064009
	DES PM M 40/9B	1732064012
ØD1	ØD2	Pz/conf.
min: 40 mm max: 41 mm rec.: 40,5 mm	Ø 52 mm	10
	NC 1 10	ØC 12 9,5
TYPE 1		

Model		Code
	DES PM M 50/9G	1732065009
	DES PM M 50/9B	1732066010
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	Ø 62 mm	10
	NC 5 4	ØC 7 18,3
TYPE 1		

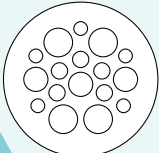
Model	Code	
 DES PM M 50/11G	1732065011	
 DES PM M 50/11B	1732066012	
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	Ø 62 mm	10
	NC 7 3 1	ØC 7 11,4 22
TYPE 1		

Model		Code
	DES PM M 50/12G	1732065012
	DES PM M 50/12B	1732066013
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	ø 62 mm	10
	NC 10 2	ØC 9 11
TYPE 1		

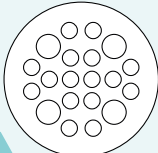
Model		Code
	DES PM M 50/12G	1732265012
	DES PM M 50/12B	1732266013
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	Ø 62 mm	10
	NC 10 2	ØC 9 11
TYPE 2		

Model	Code	
 DES PM M 50/15G	1732065015	
 DES PM M 50/15B	1732066016	
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	Ø 62 mm	10
	NC	ØC
	2	6
	4	7,2
	4	9,7
	5	12

TYPE 1

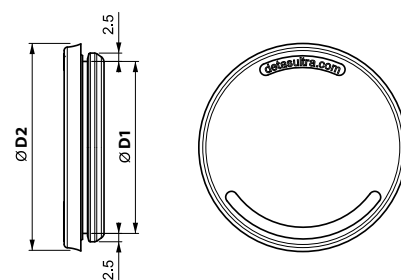
Model	Code	
 DES PM M 50/17G	1732065017	
 DES PM M 50/17B	1732066018	
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	Ø 62 mm	10
	NC	ØC
	5	5,5
	5	6,5
	3	9,7
	4	11,4

TYPE 1

Model	Code	
 DES PM M 50/20G	1732065020	
 DES PM M 50/20B	1732066021	
ØD1	ØD2	Pz/conf.
min: 50 mm max: 51 mm rec.: 50,5 mm	Ø 62 mm	10
	NC 16 4	ØC 6,5 9,7

TYPE 1

Dimensions (mm)



2



IP65
IP66

NEMA
12

UL TYPE
12



ECOLAB

UL94-V0



RoHS
COMPLIANT



Stainless steel extension for metric threads

FEATURES

- Standard version L=50mm, other dimensions on request
- Modular
- AISI304 Stainless steel

EDM extensions are used when round cable entry plates with or without connectors are used with thicker panels.

The standard version allows installation in wall thicknesses up to 45 mm, although it is possible to use more units by doubling the depth.

Material: Stainless steel AISI304

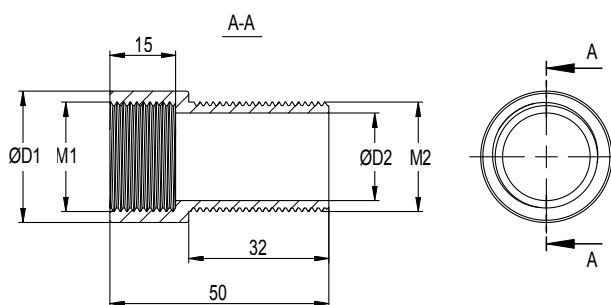
RELATED PRODUCTS

- DESPRED
- DESCLICK
- DESPRED 50
- OSF
- PDM M
- PDP
- PDMU



Model	Code	Dimensions (mm)		Threads		Pcs (/pack)
		ØD1	ØD2	M1	M2	
EDM25-50	1732290025	30	20	M25	M25	1
EDM32-50	1732290032	37	26	M32	M32	
EDM40-50	1732290040	45	33	M40	M40	
EDM50-50	1732290050	55	43	M50	M50	
EDM63-50	1732290063	68	56	M63	M63	

Dimensions (mm)





Plugs for cable entry plates

FEATURES

- Plugs for holes with diameter from 4,5 to 22,5 mm

The IFP inserts fit into the holes of the cable entry plates so that they can be used many times. They range from 4,5 to 22,5 mm diameter.

Material: PA6, halogens and silicones free

Flammability: self-extinguishing

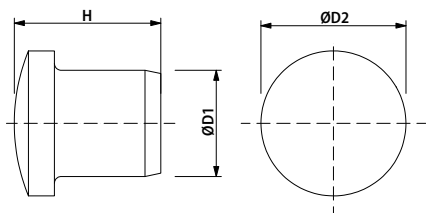
acc. UL94-HB

Temperature: -30°C... +100°C (static)

RELATED PRODUCTS

- DES PM
- DES PDM
- SPP K Grommets
- SPP M Grommets
- SPG K Grommets
- SPG M Grommets

Dimensions (mm)



Model	Code	Ø Hole (mm)	Dimensions (mm)			Pcs (/pack)
			ØD1	H	ØD2	

IFP 5G	1732070002	4,5 - 8,0	5,5	12,5	10,0	10
IFP 9G	1732070004	8,0 - 12,0	9,5	16,0	13,5	
IFP 12G	1732070006	12,0 - 16,0	12,0	16,5	16,5	
IFP 16G	1732070008	16,0 - 19,0	16,0	19,5	20,5	
IFP 20G	1732070010	20,0 - 22,5	20,0	21,5	24,5	

IFP 5B	1732070012	4,5 - 8,0	5,5	12,5	10,0	10
IFP 9B	1732070014	8,0 - 12,0	9,5	16,0	13,5	
IFP 12B	1732070016	12,0 - 16,0	12,0	16,5	16,5	
IFP 16B	1732070018	16,0 - 19,0	16,0	19,5	20,5	



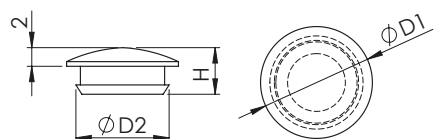
DES PDM CAPS

Caps for cable entry plates

FEATURES

- Caps with convex head
- Available with black color
- For DES PDM cable entry plates

Dimensions (mm)



The DES PDM CAPS keeps the product clean preventing dirt from settling in the screw seats.

Material: Polyethylene PE-HD

RELATED PRODUCTS

- DES PDM 24
- DES PDM 24 FT
- DES PDM Q
- DES PDM S
- DES PDM KN



Model	Code	Ø Hole (mm)	Dimensions (mm)			Pcs (/pack)
			ØD1	ØD2	H	
DES PDM CAPS	1732019980	9,5	13	10	5	50





Cable entry grommets for single cable

FEATURES

- Metric size
- Quick installation
- Cost effective
- IP67
- Self extinguishing (UL 94 V0)
- Grey color

The cable entry RCS series allow single cables without connectors to be routed through walls up to 4mm thick. Simply pierce the outer membrane slightly and push the cable through the grommet. They are available in gray for cable diameters from 4 to 34 mm.

Material: EPDM, halogens and silicones free

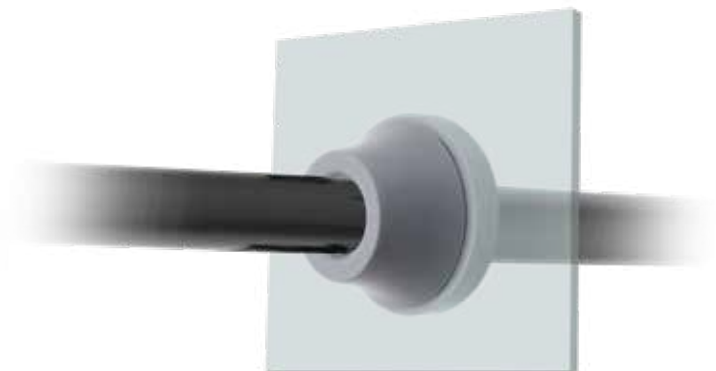
Flammability: self-extinguishing
sec. UL94-V0

Temperature: -40°C... +110°C (statica)

Wall thickness: from 0,5 a 4 mm

RELATED PRODUCTS

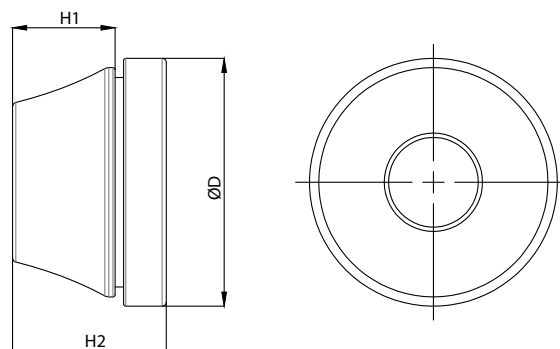
- HY360 hydraulic punch driver (pag. 162)



Model	Code	Nr. Cables / Ø (mm)	Ø Hole (mm)	Dimensions (mm)			Pcs (/pack)
				H	H1	ØD	
WALL THICKNESS (mm): 0,5 – 2							
RCS M12G	1732067012	1 / 3-5	12,5	17,3	10,5	20	100
RCS M16G	1732067016	1 / 5-9	16,5	19	11,5	21	
RCS M20G	1732067020	1 / 7-13	20,5	20,5	12,7	25,5	
RCS M25G	1732067025	1 / 10-17	25,5	22,6	15,5	31	

WALL THICKNESS (mm): 1 - 4							
RCS M32G	1732067032	1 / 14-20	32,5	25,5	17,5	39	100
RCS M40G	1732067040	1 / 19-26	40,5	30	20,4	48	
RCS M50G	1732067050	1 / 26-34	50,5	36	23,9	58,6	

Dimensions (mm)





DES PDM 24 CLEAN

Cable entry plates for Food&Pharma applications



FEATURES

- For a large number of cables without connectors
- Internal reinforcing frame
- Rounded edges
- UL94-HB
- Fixing with snap mounting or screws

The DES PDM CLEAN Family is mainly used in the food&pharma production thanks to the rounded shape without edges which avoids dirt accumulation and allows frequent washing. The cable entry plate can be fixed to the panel from the inside with four hidden screws or screwed on the panel. The hole position is guided by laser-printed markings which guarantees the front clean area during the operation.

The first front membrane is lightly pierced with a small screwdriver, while the second parallel membrane acts as a reinforcement, ensuring a very high strain relief and liquid tightness.

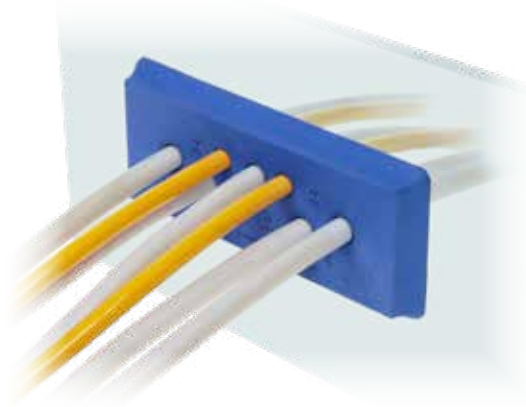
Material: TPE+PA, halogens and silicones free

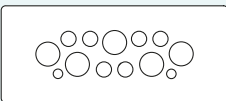
Flammability: self-extinguishing acc. UL94-HB

Temperature: -40°C... +80°C

RELATED PRODUCTS

- IFP plugs (page 101)
- FVM - Metal detectable cable ties (page 116)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)



Model	Code	
DES PDM 24/13 CLEAN	1732025017	
Cut-out / Plate (mm)	Pcs/pack	
112 x 36 / 155 x 66	1	
	NC	ØC
	2	2,8 / 6,5
	6	4,6 / 10,2
	5	8,6 / 16,2

Model	Code	
DES PDM 24/25 CLEAN	1732025025	
Cut-out / Plate (mm)	Pcs/pack	
112 x 36 / 155 x 66	1	
	NC	ØC
	12	2,8 / 6,5
	7	4,4 / 9,7
	6	6,8 / 12

Model	Code	
DES PDM 24/32 CLEAN	1732025032	
Cut-out / Plate (mm)	Pcs/pack	
112 x 36 / 155 x 66	1	
	NC	ØC
	21	2,8 / 6,5
	8	4,6 / 10,2
	3	6,8 / 12

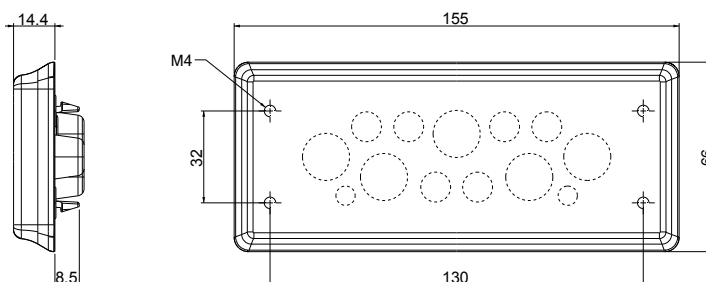


Snap mounting and M4 threaded inserts

NC: Number of cables

ØC: Diameter of cables - min/max (mm)

Dimensions (mm)





DES PDM M CLEAN

Cable entry plates for Food&Pharma applications



FEATURES

- For a large number of cables without connectors
- Internal reinforcing frame
- Rounded edges
- UL94-HB
- Fixing with locknut

The DES PDM CLEAN Family is mainly used in the food&pharma production thanks to the rounded shape without edges which avoids dirt accumulation and allows frequent washing. The cable entry plate can be fixed to the panel from the inside with four hidden screws or screwed on the panel. The hole position is guided by laser-printed markings which guarantees the front clean area during the operation.

The first front membrane is lightly pierced with a small screwdriver, while the second parallel membrane acts as a reinforcement, ensuring a very high strain relief and liquid tightness.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. UL94-HB

Temperature: -40°C... +80°C (static)

RELATED PRODUCTS

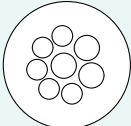
- IFP plugs (page 101)
- FVM - Metal detectable cable ties (page 116)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)



NEW	Model	Code	
DES PDM M32/4 CLEAN		1732034304	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	44	7	1
		NC	ØC
		3	3,6 / 6,5
		1	7,8 / 12,5

NEW	Model	Code	
DES PDM M32/4-2 CLEAN		1732034342	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	44	7	1
		NC 4	ØC 5 / 9

NEW	Model	Code	
DES PDM M32/7 CLEAN		1732034307	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	44	7	10
		NC 7	ØC 2,8 / 6,5

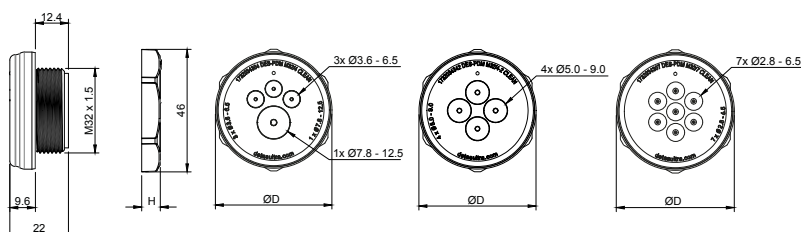
Model		Code	
DES PDM M50/8 CLEAN		1732036108	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	70	8,5	10
		NC	ØC
		5	4,6 / 10,2
		3	6,8 / 12,5

NC: Number of cables

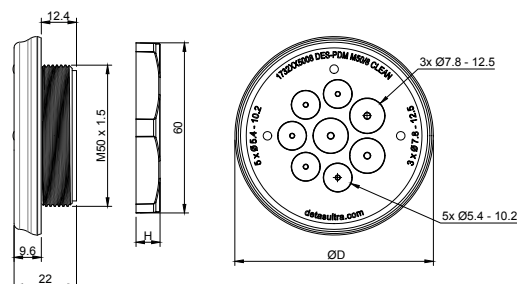
ØC: Diameter of cables - min/max (mm)

Dimensions (mm)

DES PDM M32/4 CLEAN - DES PDM M32/4-2 CLEAN - DES PDM M32/7 CLEAN



DES PDM M50/8 CLEAN



up to
IP66

ECOLAB

UL94-HB

UV
ISO 4892-2A

RoHS
COMPLIANT

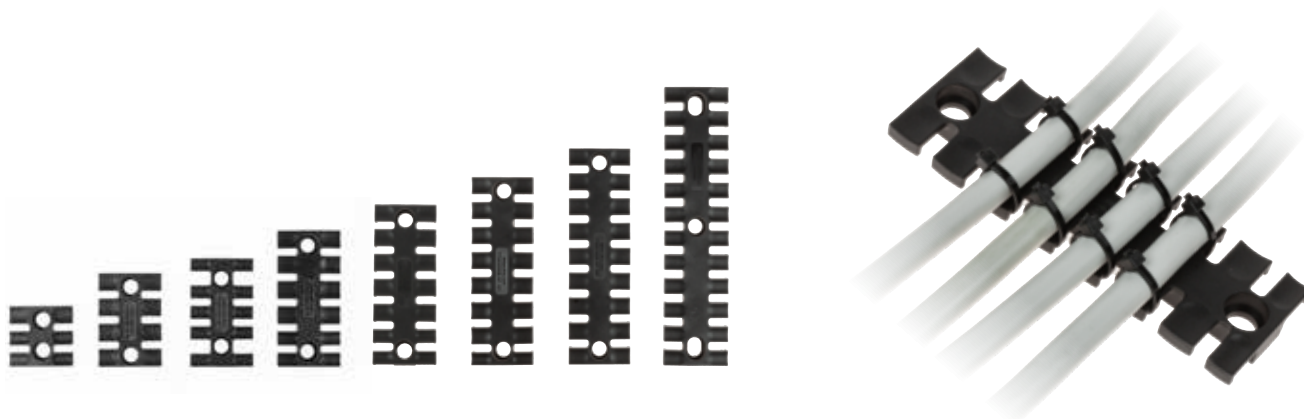
GROUP 3

STRAIN RELIEF MODULES





Strain relief modules – screw fixing



FEATURES

- Modules also available with aluminum or brass bushings
- Strain relief acc. to EN 62444
- Easy to install
- Cost efficient solution
- UL94-V0

The AP modules are used in electrical switchboards and equipment in order to keep the cables tidy whilst providing strain relief according to EN 62444.

The cables can be fixed with standard plastic ties or reusable velcro ties. Spacers are available for multi-tier applications.

Material: PA66+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +140°C (static)

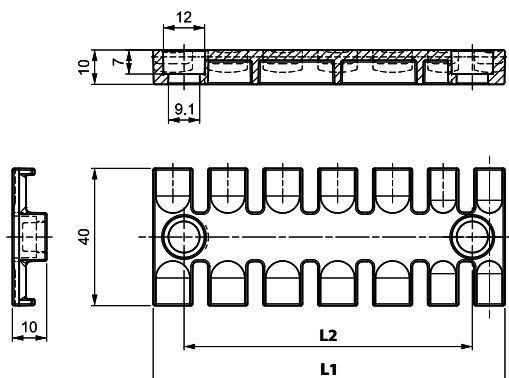
RELATED PRODUCTS

- DZ spacers (page 110)
- FV cable ties (page 115)

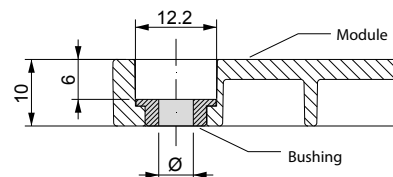
Modules without bushings

Model	Code	Dimensions (mm)		Teeth	Pcs (/pack)
		L1	L2		
AP 39	1733020003	38,5	19,5	3	10
AP 60	1733020004	59,5	43,5	4	
AP 70	1733020005	69,1	43,5	5	
AP 87	1733020006	86,5	68	6	
AP 103	1733020007	102,5	84	7	
AP 121	1733020008	121	102,5	8	
AP 140	1733020009	139,5	121	9	
AP 180	1733020010	180	157	12	

Dimensions (mm)



Strain relief modules – screw fixing



Modules with aluminum bushings

Modules with brass bushings

Model	Code	Bushing	Model	Code	Bushing	Dimensions (mm)		Teeth	Pcs (/pack)
						L1	L2		
AP 39 BA4	1733021403	Ø 4 mm	AP 39 BR4	1733022403	Ø 4 mm	38,5	19,5	3	10
AP 60 BA4	1733021404		AP 60 BR4	1733022404		59,5	43,5	4	
AP 70 BA4	1733021405		AP 70 BR4	1733022405		69,1	43,5	5	
AP 87 BA4	1733021406		AP 87 BR4	1733022406		86,5	68	6	
AP 103 BA4	1733021407		AP 103 BR4	1733022407		102,5	84	7	
AP 121 BA4	1733021408		AP 121 BR4	1733022408		121	102,5	8	
AP 140 BA4	1733021409		AP 140 BR4	1733022409		139,5	121	9	
AP 180 BA4	1733021410		AP 180 BR4	1733022410		180	157	12	
AP 39 BA5	1733021503	Ø 5 mm	AP 39 BR5	1733022503	Ø 5 mm	38,5	19,5	3	
AP 60 BA5	1733021504		AP 60 BR5	1733022504		59,5	43,5	4	
AP 70 BA5	1733021505		AP 70 BR5	1733022505		69,1	43,5	5	
AP 87 BA5	1733021506		AP 87 BR5	1733022506		86,5	68	6	
AP 103 BA5	1733021507		AP 103 BR5	1733022507		102,5	84	7	
AP 121 BA5	1733021508		AP 121 BR5	1733022508		121	102,5	8	
AP 140 BA5	1733021509		AP 140 BR5	1733022509		139,5	121	9	
AP 180 BA5	1733021510		AP 180 BR5	1733022510		180	157	12	
AP 39 BA6	1733021603	Ø 6 mm	AP 39 BR6	1733022603	Ø 6 mm	38,5	19,5	3	
AP 60 BA6	1733021604		AP 60 BR6	1733022604		59,5	43,5	4	
AP 70 BA6	1733021605		AP 70 BR6	1733022605		69,1	43,5	5	
AP 87 BA6	1733021606		AP 87 BR6	1733022606		86,5	68	6	
AP 103 BA6	1733021607		AP 103 BR6	1733022607		102,5	84	7	
AP 121 BA6	1733021608		AP 121 BR6	1733022608		121	102,5	8	
AP 140 BA6	1733021609		AP 140 BR6	1733022609		139,5	121	9	
AP 180 BA6	1733021610		AP 180 BR6	1733022610		180	157	12	



Strain relief modules for Omega DIN and C30 rails

FEATURES

- Strain relief according to EN 62444
- Easy to install
- Cost efficient solution
- UL94-V0

The APD modules are used in electrical cabinets to organise the cables whilst providing strain relief according to EN 62444.

The cables can be fixed with standard plastic ties or reusable velcro ties.

Material: PA66+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +140°C (static)

RELATED PRODUCTS

- FV cable ties (page 115)



Model	Code	Dimensions (mm)		Teeth	Pcs (/pack)
		L1	L2		
APD 39	1733000003	38,5	28,3	3	10
APD 80	1733000006	79,5	68	6	
APD 140	1733000009	139,5	128,1	9	
APD 180	1733000012	180	157	12	

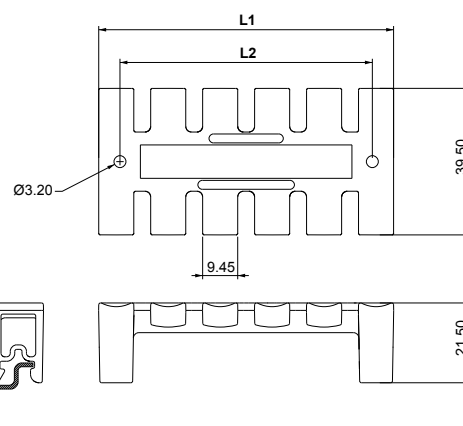
Dimensions (mm)



APD 39-80-140



APD 180



Strain relief modules – double comb for screw fixing

FEATURES

- Strain relief acc. to EN 62444
- Easy to install
- Cost efficient solution
- UL94-V0

The AP-DP modules are used in electrical switchboards and equipment keeping cables of various sizes tidy whilst providing strain relief according to EN 62444. The cables can be fixed with standard plastic ties or reusable Velcro ties. Spacers are available for multi-tier applications.

Material: PA66+GF

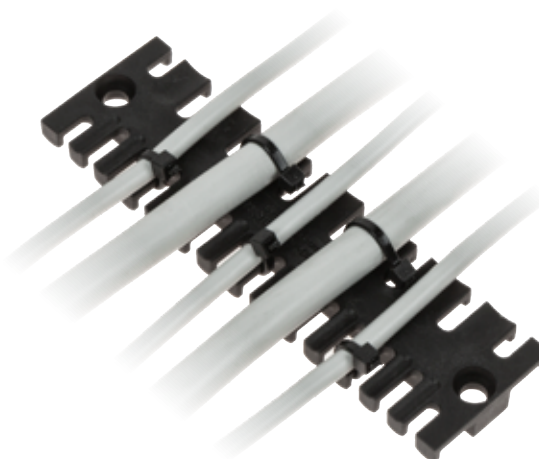
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +140°C (static)

Features: halogens and silicones free

RELATED PRODUCTS

- DZ spacers (page 110)
- FV cable ties (page 115)



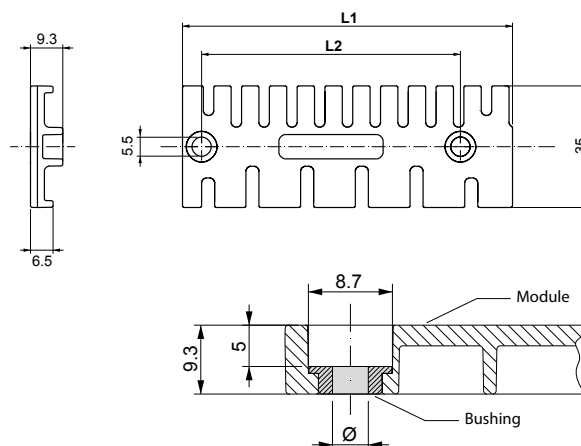
Aluminum bushing



Brass bushing

Model	Code	Bushing	Dimensions (mm)		Teeth	Pcs (/pack)
			L1	L2		
AP-DP 63	1733010047	-	63,4	42	4 - 7	10
AP-DP 95	1733010611	-	95	74,5	6 - 11	
AP-DP 119	1733010713	-	119	108	7 - 13	
AP-DP 63-BA	1733011447	 Ø 4 mm	63,4	42	4 - 7	
AP-DP 95-BA4	1733011411		95	74,5	6 - 11	
AP-DP 119-BA4	1733011413		119	108	7 - 13	
AP-DP 63-BR4	1733012447	 Ø 4 mm	63,4	42	4 - 7	
AP-DP 95-BR4	1733012411		95	74,5	6 - 11	
AP-DP 119-BR4	1733012413		119	108	7 - 13	

Dimensions (mm)





DZ

Spacers

FEATURES

- Increase in cable bundle density

The spacers are used to create a multi-level strain relief system in situations where there is a large density of cables to be fastened.

Material: Aluminium

RELATED PRODUCTS

- AP strain relief modules
- AP-DP double-comb strain relief modules



Model	Code	Suitable for	Dimensions (mm)			Pcs (/pack)
			H	D1	D2	
DZ 30	1733020011	AP-DP	30	7	5,2	10
DZ 32	1733020012	AP	32	12	6,2	



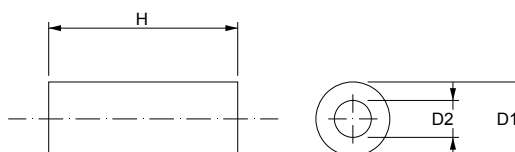
DZ 32



DZ 30



Dimensions (mm)



Fixing clamp for C 30mm rail

FEATURES

NEW

- Cable ranges from 6 to 100 mm diameter
- Installation on C rail 30 mm
- Snap-in assembly with tightening screw
- Cost-effective

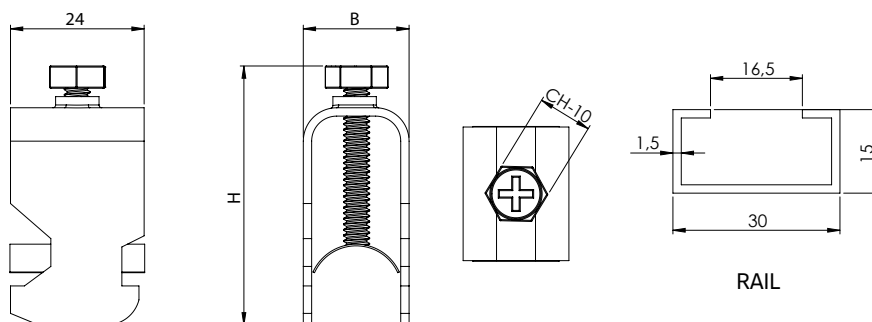
The MSTB fixing clamps enable the cable to be fixed and secured easily. The MSTB fixing clamps are used on the C 30 mm rail and they are secured by tightening the screw which also ensures the strain relief function.

Material: zinc plated steel + PA66



Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSTB 6-12	1734040600	6 - 12	21	70	10
MSTB 12-18	1734040602	12 - 18	23	70	
MSTB 18-22	1734040605	18 - 22	27	70	
MSTB 22-30	1734040607	22 - 30	39	85	
MSTB 30-38	1734040610	30 - 38	45	90	
MSTB 38-42	1734040612	38 - 42	47	95	
MSTB 42-50	1734040615	42 - 50	57	120	
MSTB 50-64	1734040620	50 - 64	70	130	
MSTB 64-70	1734040622	64 - 70	77	165	
MSTB 70-80	1734040624	70 - 80	87	183	
MSTB 80-100	1734040626	80 - 100	108	217	

Dimensions (mm)





MFK / MFY

Cable fixing clamps

FEATURES

- For cable diameter from 13 to 95 mm
- Strain relief acc. to EN 61914
- Fixing screws not included

The MFK/MFY cable clamps are used to secure cables with diameters up to 95 mm and assure strain relief function.

The MFK is used for single cable and the MFY is used up to three cables.

They are normally used in electrical installation to keep the cables in the right position according to EN 61914 strain relief standard.

Material: PA, halogens and silicones free

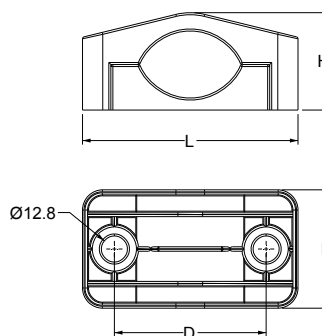
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +140°C (static)



Model	Code	Nr. Cables	Ø Cable min/max (mm)	Dimensions (mm)				Pcs (/pack)
				L	B	H	D	
MFK 13-25	1733030010	1	13/25	87,5	47	35	60	1
MFK 20-36	1733030015	1	20/36	88	58	42	60	
MFKD 36-52	1733030021	1	36/52	106,5	59	49,5	75	
MFK 55-75	1733030025	1	55/75	113,5	59	52	83	
MFK 75-95	1733030030	1	75/95	128	59	64,5	95	
MFY 27-38	1733030040	3	27/38	175	70	73,5	125	
MFY 38-51	1733030050	3	38/51	189	76	94	144	
MFY 51-69	1733030060	3	51/69	214	80,5	121	168	

Dimensions (mm)



Reusable cable ties for single or multiple wiring

FEATURES

- For cables with diameter from 7 to 32 mm
- Strain relief according to EN 62444
- Fastening with adhesive and/or with screw (not included)
- Reusable
- Cost effective and practical solution

The CFP series cable ties are used for single or multiple cables offering an available space ranging from 7 to 32 mm cable diameter. They are reusable and lock the cables with excellent strain relief. Fixing is done in a very short time with an adhesive base and/or with a central screw.

Material: PA66, halogens and silicones free

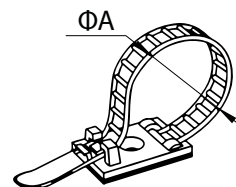
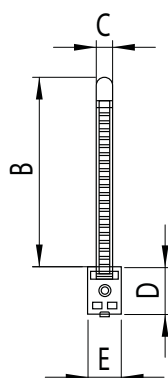
Flammability: self-extinguishing acc. to UL94-V2

Temperature: -20°C... +100°C (static)



Model	Code	Ø A min/max (mm)	Dimensions (mm)				Pcs (/pack)
			B	C	D	E	
CFP 1	1733030110	7 - 24	91	8	25	18	100
CFP 2	1733030120	10 - 24	90	12	30	21	
CFP 3	1733030130	10 - 32	110	12	30	21	

Dimensions (mm)





FEATURES

- The Velcro® ties can be reusable many times
- Adaptable to the cable shape
- Suitable for high vibration scenarios
- Packed pre-cutted in reels
- Without glue, no chemical traces
- Standard color black, other colors on demand

The Velcro® cable ties allow a large number of cables to be bundled together. They prevent damage during vibration events and can be reused several times. The OW series includes already pre-cutted ties conveniently packed in 100 pcs reel.

Material: PP + Nylon

Flammability: self-extinguishing acc. UL94-V2

Temperature: 0°C... +104°C (static)

RELATED PRODUCTS

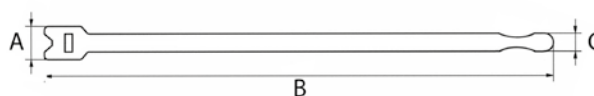
- AP strain relief modules
- AP-DP double-comb strain relief modules
- APD strain relief modules for DIN rails



Model	Code	Dimensions (mm)			Pcs (/pack)
		A	B	C	
OW13	1733021012	13	200	7	1
OW20	1733021013	20	230	13	



Dimensions (mm)



Hook and loop cable ties

FEATURES

- The hook and loop cable ties can be reused
- Adaptable to the shape of the cable bundles
- Particularly effective in the event of vibration
- Also available in reels

Hook and loop cable ties allow a large number of cables to be bundled together. They prevent damage in the event of vibration and can be reused many times. They are available in 3 different types or in 25 m reels.

Material: PE + Nylon

Flammability: self-extinguishing
acc. UL94-V2

Temperature: 0°C... +104°C (static)

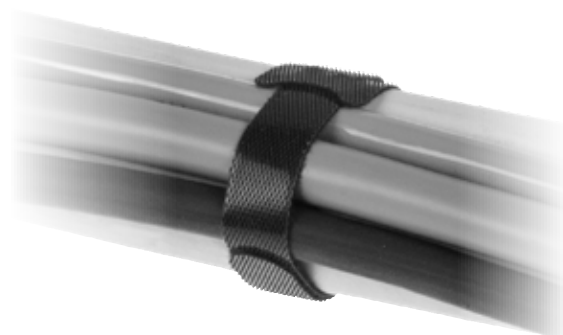
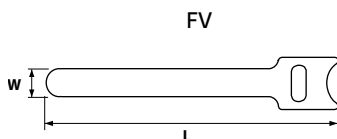
RELATED PRODUCTS

- AP strain relief modules
- AP-DP double-comb strain relief modules
- APD strain relief modules for DIN rails



Model	Code	Dimensions		Pcs (/pack)
		L	W (mm)	
FV1	1733020020	200 mm	10	100
FV2	1733020025	200 mm	13	
FV3	1733020030	300 mm	17	
BOB 10X25	1733021010	25 m	10	1
BOB 20X25	1733021020	25 m	20	
BOB 15X10	1733021006	10 m	15	
BOB 19X10	1733021008	10 m	19	
BOB 38X10	1733021009	10 m	38	

Dimensions (mm)





FEATURES

- Especially designed for food and pharma industries
- Self-extinguishing UL94-V2
- 4 measures standard, others on request
- Useable in the HACCP process

The metal detectable cable ties are FDA compliant for Food & Pharma applications. A particular production process add a metallic pigment which makes the cable ties detectable by x-rays and metal detectors.

They can be used in the HACCP process reducing the risk of food contamination. The blue color help the visual recognition.

Material: PA66

Flammability: self-extinguishing acc. UL94-V2

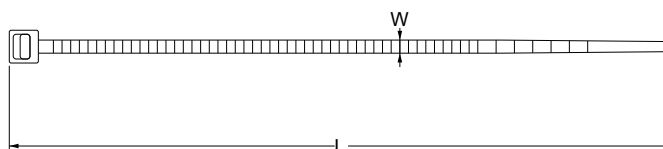
Temperature: 0°C... +85°C (static)*

RELATED PRODUCTS

- DES PDM 24 CLEAN
- FVM cable ties

Model	Code	Dimensions (mm)		Pcs (/pack)
		L	W	
FVM101	1733021101	100	2,5	100
FVM150	1733021150	150	3,6	
FVM200	1733021200	200	4,8	
FVM300	1733021300	300	4,8	

Dimensions (mm)



* For temperatures below 0°C please request the special version



Fixing clips for metal detectable cable ties



FEATURES

- Specific for the food and pharmaceutical industry
- UL94-HB
- Double fixing system: adhesive or screws
- Fixing on four sides
- Can be used in the HACCP process

The fixing clips for FVM cable ties are specially designed for the food and pharmaceutical industry. Thanks to an exclusive manufacturing process, a metallic pigment is added to the clips making them detectable by metal detectors or X-ray devices. The mounting supports allow the fixing of the clamps even in areas with high vibrations, thanks to the 4 direction fixing. Can be used in the HACCP process reducing the risk of food contamination. The blue colour facilitates visual recognition.

Material: PA66

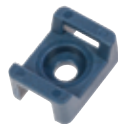
Flammability: UL94-HB

Temperature: -40°C... +85°C (static)

RELATED PRODUCTS

- DES PDM 24 CLEAN
- FVM cable ties

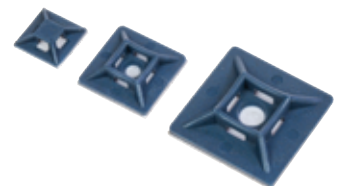
Model	Code	Dimensions (mm)				Cable tie width min/max (mm)	Pcs (/pack)
		L	W	H	D		
FVS-Q1	1733021305	12,8	12,8	3,4	-	3,2	100
FVS-Q2	1733021310	19	19	4,2	3,5	4	
FVS-Q3	1733021315	28,1	28,1	5,2	5,7	5,3	
FVS-R8	1733021326	14,9	9,6	7,2	3,7	4,8	
FVS-T10	1733021335	21,7	15,9	9,7	4,5	9	



FVS-T10

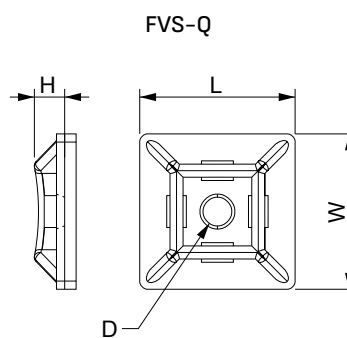


FVS-R8

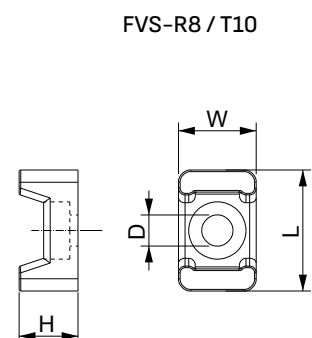


FVS-Q

Dimensions (mm)



FVS-Q



FVS-R8 / T10



GROUP 4

EMC SHIELDING



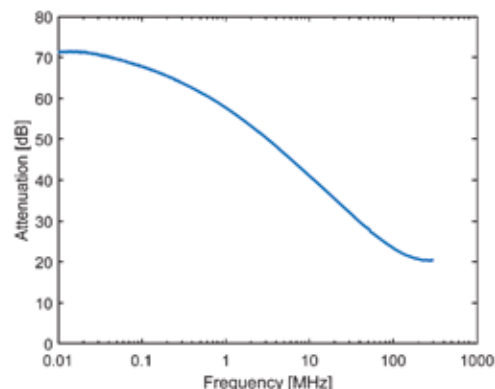
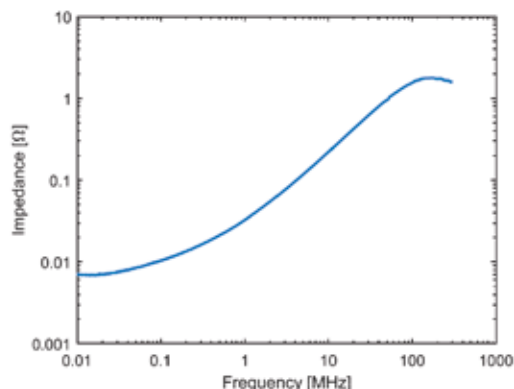
DETASULTRA EMC SHIELDING

Thanks to Detas' long-standing experience in noise suppression technology, in particular solving problems related to conducted and radiated emissions with line filters, we have developed DetasUltra EMC shielding clamps.

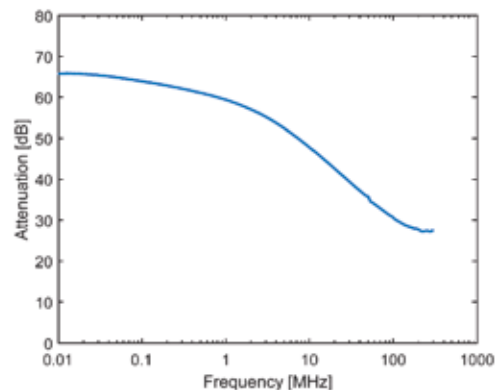
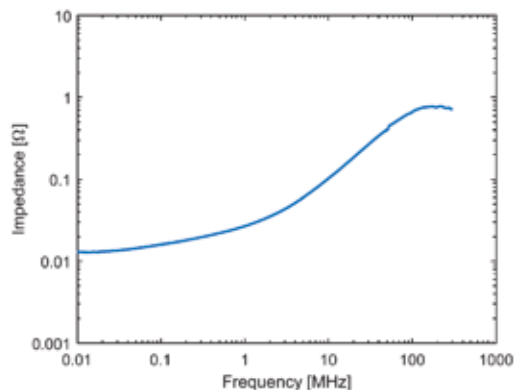
Thanks to the know-how achieved, we are able to guarantee efficient solutions for grounding the cable shield in any industrial application. DETASULTRA shielding clamps are characterized by low impedance even for high frequency EMI disturbances (>300MHz).

In the graphics in figures 1/2/3 you can observe how the impedance of the clamp in three different installation modes remains very low even when the disturbance frequency varies, providing a high level of attenuation.

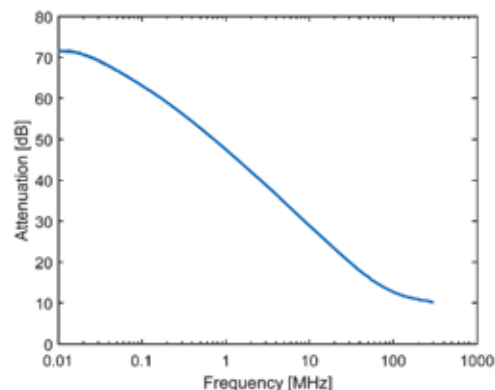
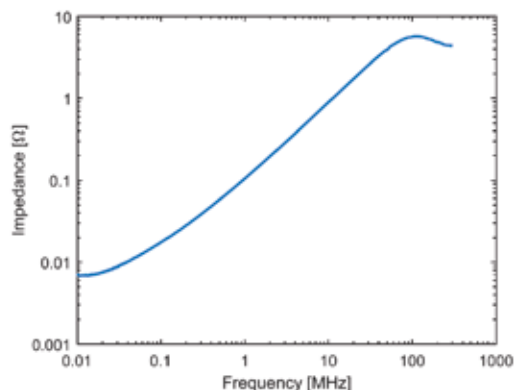
1 - SHIELD CLAMP WITH SCREW FIXING



2 - SHIELD CLAMP FOR DIN-RAILS



3 - SHIELD CLAMP FOR 3X10MM BAR



SHIELDING CLAMPS OVERVIEW

DIN RAIL SHIELDING CLAMPS

MODEL	MSD	MSD2	MSP	MSPC	MSG	MSFD
CLAMPING RANGE (mm)	22 - 74	1,5 - 22	1,5 - 6	3 - 10	1,5 - 9	3 - 32
PAGE	134	133	135	135	132	145

BUSBAR 3X10 SHIELDING CLAMPS

MODEL	MSB	MSBS	MSR	MSRP	MSRC	MSH	MSFC
CLAMPING RANGE (mm)	1,5 - 22	1,5 - 22	1,5 - 22	1,5 - 9	3 - 10	2 - 35	2 - 32
PAGE	137	136	138	139	139	140	146

SCREW FIXING SHIELDING CLAMPS

MODEL	MSF	MSS	MSS2	MSS3	MSL	MSA	MSAS
CLAMPING RANGE (mm)	2 - 32	30 - 74	1,5 - 30	1,5 - 11	3 - 19	1,5 - 30	1,5 - 22
PAGE	145	122	121	123	124	128	126

MODEL	MSAD	MSE	MSEA	MSES	MSM
CLAMPING RANGE (mm)	3 - 20	1,5 - 30	3 - 12	1,5 - 22	1,5 - 12
PAGE	127	130	131	129	125

C BAR SHIELDING CLAMPS

MODEL	MST	MSFE
CLAMPING RANGE (mm)	6 - 42	3 - 32
PAGE	143	146

PRINTED CIRCUIT BOARD SHIELDING CLAMPS

MODEL	MSC
CLAMPING RANGE (mm)	1,5 - 9
PAGE	147

MULTIPLE SHIELDING CLAMPS

MODEL	MSU
CLAMPING RANGE (mm)	1,5 - 12
PAGE	144

FOR I/O MODULES

MODEL	MSK	MSK2	MSY	MSY2
CLAMPING RANGE (mm)	1,5 - 9	1,5 - 9	1,5 - 9	1,5 - 9
PAGE	141	141	142	142

OTHER

MODEL	MB	EMCS	EMCZ	BROSF
CLAMPING RANGE (mm)	-	-	-	1,5 - 6
PAGE	153	149	151 - 152	150



Shielding clamps without base

FEATURES

- Suitable for a cable diameter range from 1,5 to 30 mm
- Ideal adherence to cable shielding
- **Increased wing length for easier cable insertion**
- Constant pressure on the cable braid without having to run tests and checks
- High vibration resistance



The MSS2 shielding clamps enable the cable shield to be grounded easily and effectively. The MSS2 shielding clamps can be fixed with screws or rivets.

Material: spring steel, zinc plated

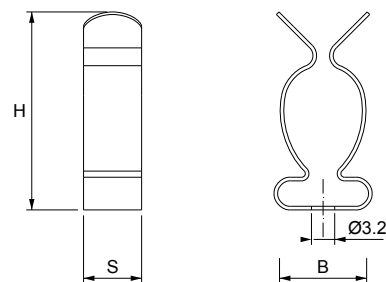
RELATED PRODUCTS

- MB DIN rail bases (page 152)

Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			B	H	S	
MSS2 1.5-3	1734010210	1,5 - 3	11	13,5	8	50
MSS2 3-6	1734010220	3 - 6	11	16	8	50
MSS2 7-9	1734010230	7 - 9	11	18,5	8	50
MSS2 9-12	1734010240	9 - 12	12	22	8	50
MSS2 11-17	1734010250	11 - 17	13,5	27	8	50
MSS2 18-22	1734010260	18 - 22	22	36,5	8	50
MSS2 22-30	1734010270	22 - 30	22	43	12	50



Dimensions (mm)





FEATURES

- Suitable for a wide range of cable diameter from 30 to 74 mm
- Ideal adherence to cable shielding
- Possibility to mount the springs easily, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks
- High vibration resistance, maintenance free



The MSS shielding clamps enable the cable shield to be grounded easily and effectively. The MSS shielding clamps can be fixed with screws or rivets.

Material: spring steel, zinc plated

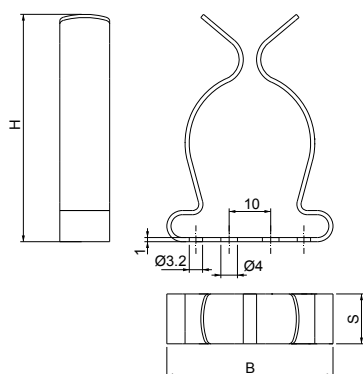
RELATED PRODUCTS

- MB DIN rail bases (page 152)

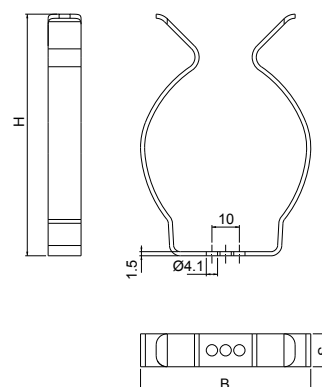
Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			B	H	S	
MSS 30-37	1734010080	30 - 37	40	55	12	10
MSS 38-48	1734010090	38 - 48	40	64	12	
MSS 50-60	1734010095	50 - 60	50	74,5	12	
MSS 62-74	1734010100	62 - 74	62	88	12	

Dimensions (mm)

MSS 30-37 / MSS 38/48



MSS 50-60 / MSS 62-74





Shielding clamps without base

FEATURES

- Suitable for a cable diameter range from 1,5 to 11 mm
- Side by side mounting possible
- Ideal contact to cable shielding
- Easy cable insertion
- One-hand cable insertion
- High vibration resistance

The MSS3 shielding clamps enable the cable shield to be grounded easily and effectively. Thanks to the particular design, they allow an easy cable insertion by leveraging on the longer side. They also guarantee maximum space saving and they allow side-by-side mounting even with one hand only.

Material: spring steel, zinc plated

RELATED PRODUCTS

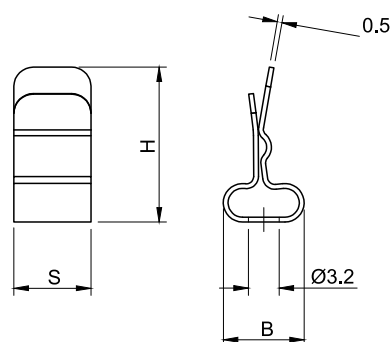
- MB DIN rail bases (page 152)



Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			B	H	S	
MSS3 1,5-3	1734010280	1,5 - 3	8,4	16,1	8	50
MSS3 3-7	1734010281	3 - 7	8,4	21,9	8	
MSS3 6-10	1734010285	6 - 10	8,5	24,7	8	
MSS3 3-11	1734010290	3 - 11	13	19,8	8	



Dimensions (mm)





FEATURES

- Suitable for a cable diameter range from 3 to 19 mm
- Snap-in assembly, no need to use tools
- Ideal adherence to cable shielding
- Constant pressure on the cable braid without having to run tests and checks
- High vibration resistance, maintenance free

The MSL shield clamps enable the cable shield to be grounded easily and effectively. The MSL shielding clamps can be fixed with screws or rivets.

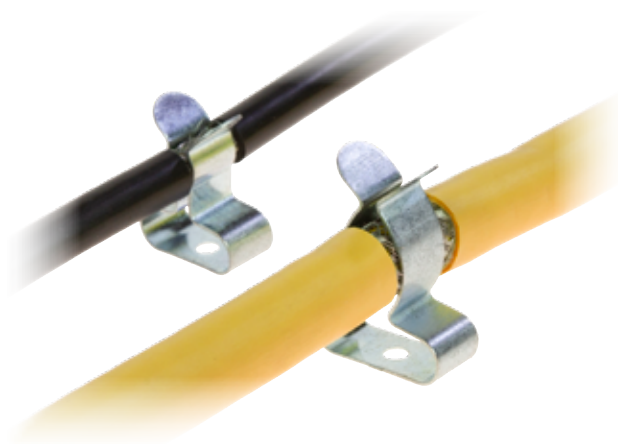
Material: spring steel, zinc plated

RELATED PRODUCTS

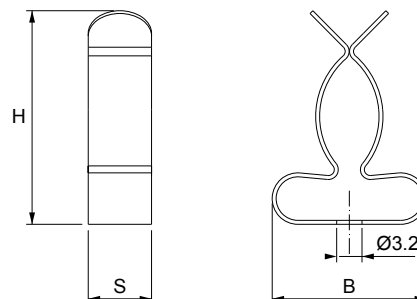
- MB DIN rail bases (page 152)



Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			B	H	S	
MSL 3-9	1734010310	3 - 9	16,5	20,6	8	50
NEW MSL 3-12	1734010330	3 - 12	16	15,9	8	
MSL 10-19	1734010320	10 - 19	19,5	27	8	



Dimensions (mm)





Screw fixing shielding clamps

FEATURES

- Suitable for a cable diameter range from 1,5 to 12 mm
- Particularly indicated in small places
- Screw fixing hole M4
- Constant pressure on the cable braid

The MSM and MSML shielding clamps enable the cable shield to be grounded easily and effectively. The shielding clamp can be fixed with a M4 screw or rivet.

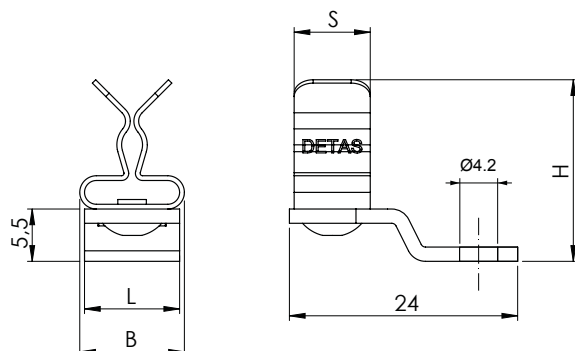
Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)				Pcs (/pack)
			L	B	H	S	
MSM 1.5-3	1734030110	1,5 - 3	10	11	19	11	50
MSM 3-6	1734030120	3 - 6	10	11	21,5	11	
MSM 7-9	1734030130	7 - 9	10	11	24	11	
MSM 9-12	1734030140	9 - 12	10	12	27,5	12	
MSML 3-9	1734030180	3 - 9	10	16,5	22	8	



Dimensions (mm)





FEATURES

NEW

- Suitable for a cable diameter range from 1,5 to 22 mm
- Shield grounding and strain relief in the same device
- Screw fixing hole M4*
- Very compact design
- One-hand cable insertion for some models

The MSAS shielding clamps enable the cable shield to be grounded easily and effectively. They secure the strain relief function with one or two cable ties. The shielding clamp can be fixed with a M4 screw.

Material: spring steel, zinc plated

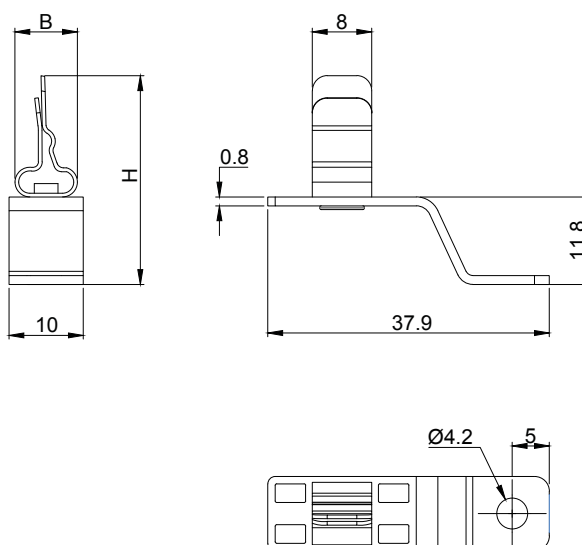
*Other fixing holes on request



Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSAS 1.5-3	1734029800	1,5 - 3	8,4	28,1	50
MSAS 3-6	1734029810	3 - 6	11	27,9	
MSAS 6-10	1734029820	6 - 10	8,6	36,6	
MSAS 9-12	1734029830	9 - 12	12	33,5	
MSAS 11-17	1734029840	11 - 17	14	39,1	
MSAS 18-22	1734029850	18 - 22	22	48,3	



Dimensions (mm)





Screw fixing shielding clamps

FEATURES

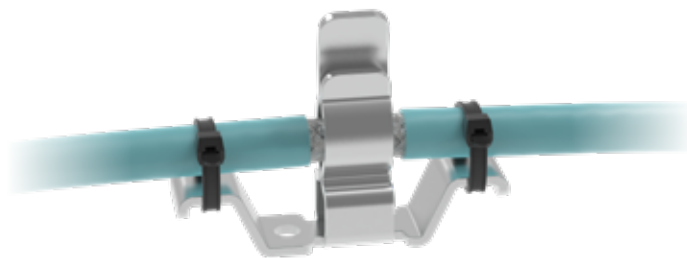
NEW

- Suitable for a cable diameter range from 3 to 20 mm
- Shield grounding and strain relief in the same device
- Very compact size, side-by-side mounting
- Screw fixing hole M4*
- Strain relief with 2 cable ties
- Cost-effective solution
- One-handed cable insertion

MSAD series shielding clamps are an innovative solution to ground cable shields. They are manufactured from a single mold and thus avoiding to use rivets. This feature brings to significant cost savings and increased clamp's lifespan. Another important advantage is the width of the shielding clamp, which allows side-by-side mounting with considerable space savings. In addition, the clamp, once riveted, remains aligned with the panel base and thus allows much faster insertion of the cable, which can be done with only one hand.

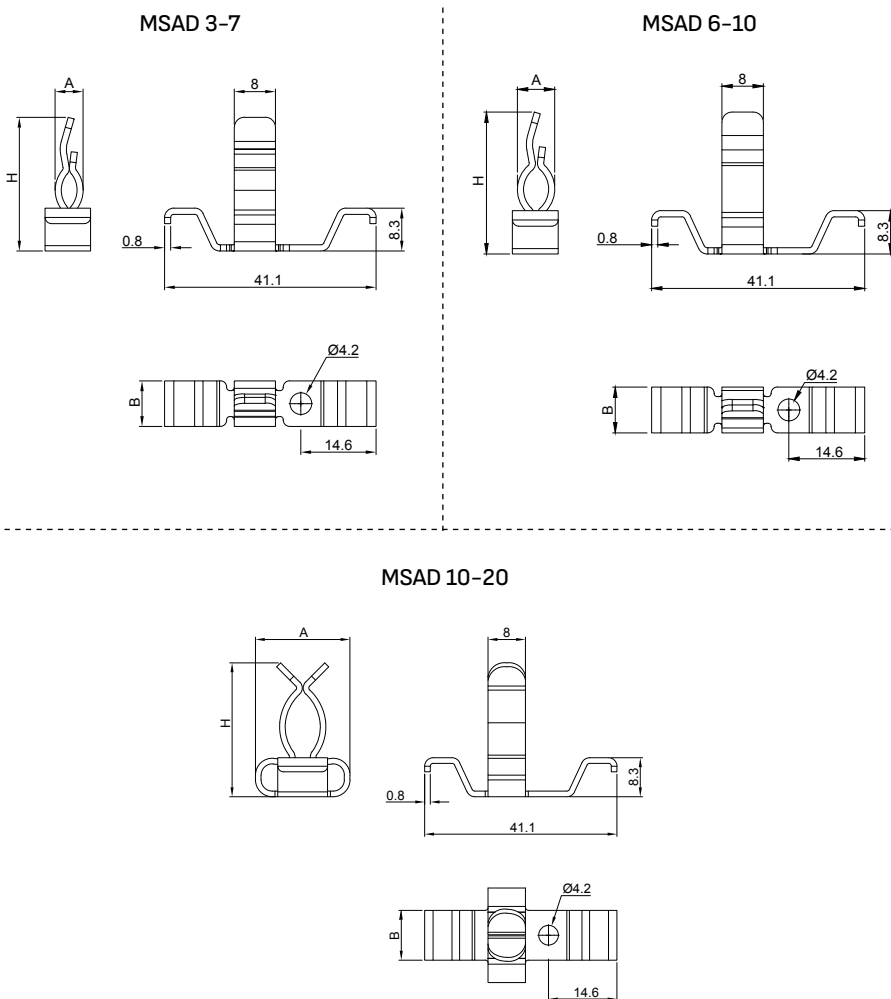
Material: spring steel, zinc plated

*Other fixing holes on request



Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			A	B	H	
MSAD 3-7	1734030193	3 - 7	5,4	8,9	26	50
MSAD 6-10	1734030195	6 - 10	7,2	8,9	27,4	
MSAD 10-20	1734030200	10 - 20	20,2	10,7	28,6	

Dimensions (mm)





FEATURES

- Suitable for a wide range of cable diameter from 1,5 to 30 mm
- Shield grounding and strain relief in the same device
- Double cable tie
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks
- Screw fixing hole M4*



The MSA shielding clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with two cable ties. The shielding clamp can be fixed with a M4 screw.

The strain relief function complies with EN 62444 standard.

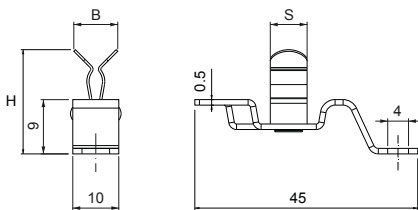
Material: spring steel, zinc plated

*Other fixing holes on request

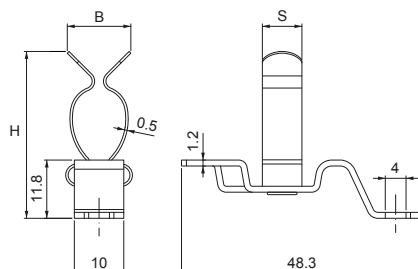
Model	Code	Clamping range (mm)	Thickness (mm)	Dimensions (mm)			Pcs x conf.
				B	H	S	
MSA 1.5-3	1734030010	1,5 - 3	0,5	11	17	8	50
MSA 3-6	1734030020	3 - 6	0,5	11	20	8	
MSA 7-9	1734030030	7 - 9	1,2	11	25	8	
MSA 9-12	1734030040	9 - 12	1,2	13,5	34	8	
MSA 11-17	1734030050	11 - 17	1,2	12	31	8	
MSA 18-22	1734030060	18 - 22	1,2	22	43	8	
MSA 22-30	1734030070	22 - 30	1,2	22,5	50	12	
MSAL 3-9	1734030080	3 - 9	1,2	16,5	27	8	
MSAL 10-19	1734030090	10 - 19	1,2	19,5	30,5	8	

Dimensions (mm)

Thickness 0.5 version



Thickness 1,2 version



Product not available in Germany





Screw fixing shielding clamps

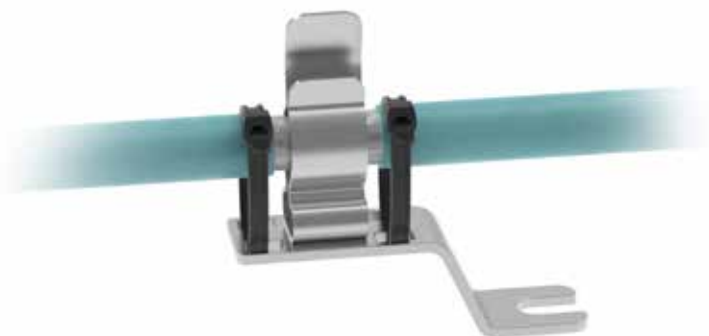
FEATURES

NEW

- Suitable for a cable diameter range from 1,5 to 22 mm
- Shield grounding and strain relief functions with a single device
- Double cable tie
- Snap-in assembly, no need to use tools
- Very compact design

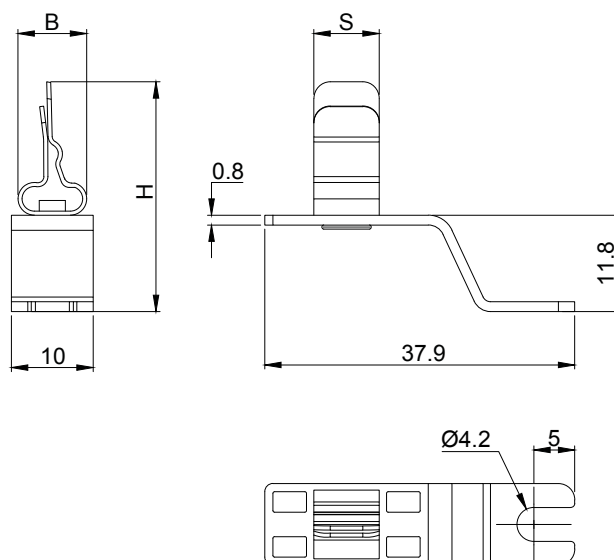
The MSES shielding clamps enable the cable shield to be grounded easily and effectively. They secure the strain relief function with one or two cable ties. The shielding clamp can be fixed with a M4 screw.

Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSES 1.5-3	1734050100	1,5 - 3	8,4	28,1	50
MSES 3-6	1734050105	3 - 6	11	27,9	
MSES 6-10	1734050110	6 - 10	8,6	36,6	
MSES 11-17	1734050120	11 - 17	14	39,1	
MSES 18-22	1734050125	18 - 22	22	48,3	

Dimensions (mm)





MSE

Screw fixing shielding clamps

FEATURES

- Suitable for a cable diameter range from 1,5 to 30 mm
- Shield grounding and strain relief functions with a single device
- Double cable tie
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks

The MSE shielding clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with two cable ties. The shielding clamp can be fixed with a M4 screw.

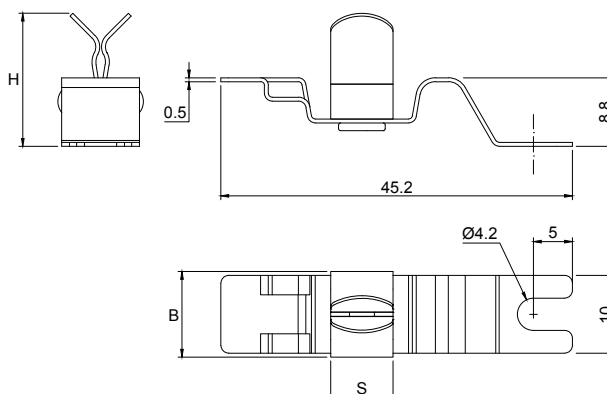
Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			B	H	S	
MSE 1.5-3	1734050010	1,5 - 3	11	17,1	8	50
MSE 3-6	1734050020	3 - 6	11	19,7	8	
MSE 7-9	1734050030	7 - 9	11	22	8	
MSE 9-12	1734050040	9 - 12	12	25,2	8	
MSE 11-17	1734050050	11 - 17	13,5	30,8	8	
MSE 18-22	1734050060	18-22	22	40	8	
MSE 22-30	1734050070	22-30	22,5	46,9	12	
MSEL 3-12	1734050080	3 - 12	16,5	19,2	8	50
MSEL 10-19	1734050090	10 - 19	19,5	30,5	8	

Product not available in Germany

Dimensions (mm)





Screw fixing shielding clamps

FEATURES

NEW

- Suitable for a cable diameter range from 3 to 12 mm
- Shield grounding and strain relief functions with a single device
- Double cable tie
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks



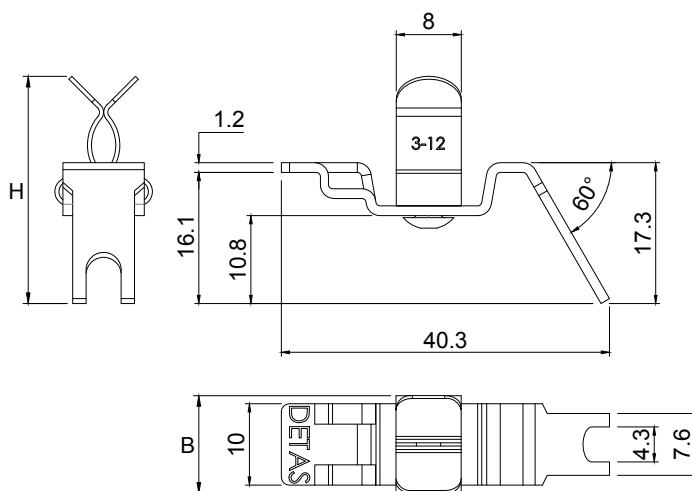
The MSEA shielding clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with one or two cable ties. The shielding clamp can be fixed with a M4 screw.

Material: spring steel, zinc plated

Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSEA 3-6	1734050130	3 - 6	11	28	50
MSEA 7-9	1734050135	7 - 9	11	31	
MSEA 9-12	1734050140	9 - 12	12	34	
MSEAL 3-12	1734050150	3 - 12	12	28	

Product not available in Germany

Dimensions (mm)





MSG

Shielding clamps for DIN TH15 Rail

FEATURES

- Suitable for a cable diameter range from 1,5 to 9 mm
- Shield grounding and strain relief functions with a unique device
- Easy and fast installation without tools
- Constant pressure on the cable braid without having to run tests and checks

The MSG shielding clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with one cable tie.

The MSG shielding clamps can be used on TH15 DIN rails.

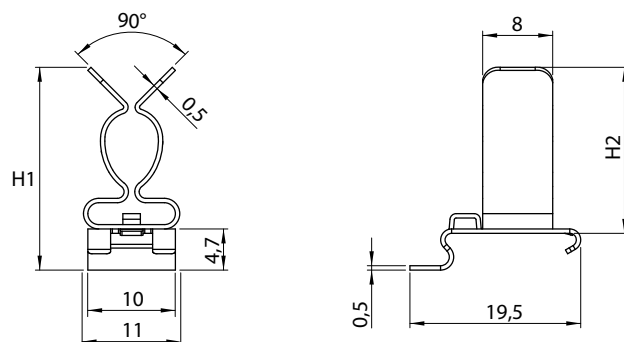
Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			H1	H2	
MSG 1.5-3	1734060110	1,5 - 3	18,3	14,1	50
MSG 3-6	1734060120	3 - 6	21	17	
MSG 7-9	1734060130	7 - 9	23,2	19	



Dimensions (mm)

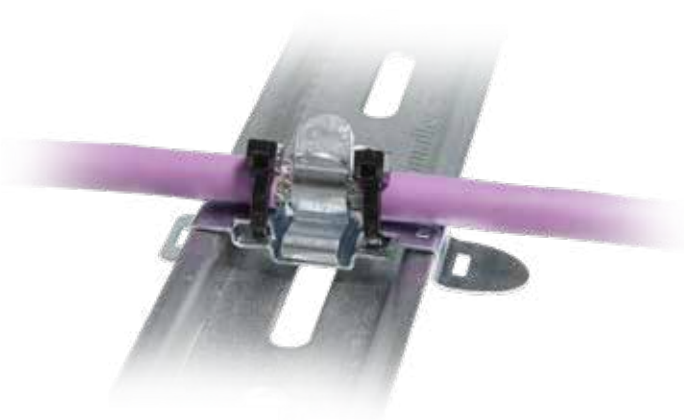




Shielding clamps for DIN TH35 rails

FEATURES

- Suitable for a cable diameter range from 1,5 to 22 mm
- Snap-in assembly, no need to use tools
- Double cable tie
- Shield grounding and strain relief functions with a single device
- Ideal adherence to cable shielding
- Constant pressure on the cable braid without having to run tests and checks



The MSD2 shielding clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with two cable ties.

The strain relief function complies with EN 62444 standard.

The MSD2 shielding clamps can be used on TH35 DIN rails.

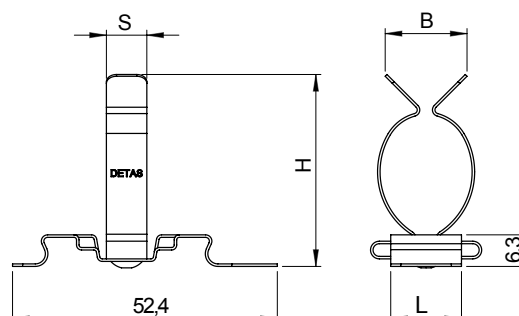
Material: spring steel, zinc plated

Model	Code	Clamping range (mm)	Dimensions (mm)				Pcs (/pack)
			L	B	H	S	
MSD2 1.5-3	1734021010	1,5 - 3	14	11	15	8	50
MSD2 3-6	1734021020	3 - 6	14	11	17,5	8	
MSD2 7-9	1734021030	7 - 9	14	11	20	8	
MSD2 9-12	1734021040	9 - 12	14	12	23	8	
MSD2 11-17	1734021050	11 - 17	14	13,5	29	8	
MSD2 18-22	1734021060	18 - 22	14	22	38	8	
MSD2L 3-9	1734021080	3 - 9	14	16,5	22	8	
MSD2L 3-12	1734021081	3 - 12	14	16,5	22	8	
MSD2L 10-19	1734021090	10 - 19	14	19,5	28,5	8	

NEW

4

Dimensions (mm)





FEATURES

- Suitable for a wide range of cable diameter from 22 to 74 mm
- Snap-in assembly, no need to use tools
- Available with two bases: 14 and 22 mm
- High vibration resistance
- Shield grounding and strain relief function with the same device
- Ideal contact to cable shielding
- Constant pressure on the cable braid without having to run tests and checks

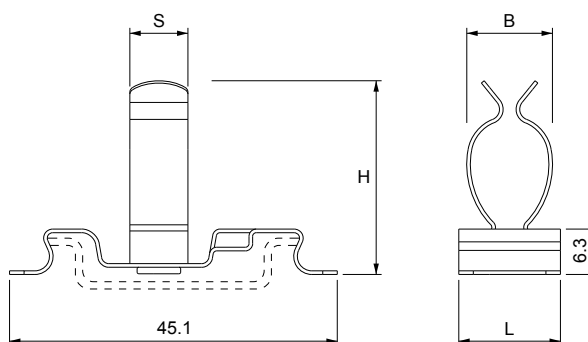
The MSD shielding clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with one cable tie.

Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)				Pcs (/pack)
			L	B	H	S	
MSD 22-30	1734020070	22 - 30	22	22,5	45	12	10
MSD 30-37	1734020080	30 - 37	22	31	58	12	
MSD 38-48	1734020090	38 - 48	22	40	68,5	12	
MSD 50-60	1734021095	50-60	22	50	75	12	
MSD 62-74	1734021098	62-74	22	62	89	12	

Dimensions (mm)



FEATURES

- Suitable for a cable diameter range from 1,5 to 10 mm
- Snap-in assembly, no need to use tools
- Space savings compared to conventional models
- Shield grounding and strain relief function with the same device
- Ideal adherence to cable shielding
- Constant pressure on the cable braid without having to run tests and checks

The MSP/MSPC shield clamps enable the cable shield to be grounded easily and effectively. They secure additional strain relief with one cable tie. The strain relief function complies with EN 62444 standard.

The special shape allows side-by-side mounting on the TH35 DIN rails with a significant space saving in the cabinet.

Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			L	B	H	
MSP 1.5 - 3*	1734010410	1,5 - 3	52,4	20	15,5	50
MSP 1.5 - 3 V2	1734010411	1,5 - 3	52,4	20	16,5	
MSP 3 - 6*	1734010420	3 - 6	52,4	20	18	
MSPC 3 - 7	1734010421	3 - 7	52,4	24	24	
MSPC 6 - 10	1734010425	6 - 10	52,4	24	32	

* Not available in Germany



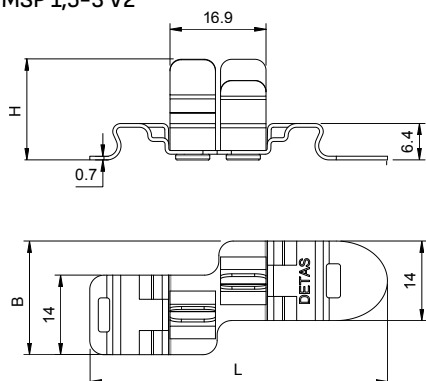
MSPC 3 - 7



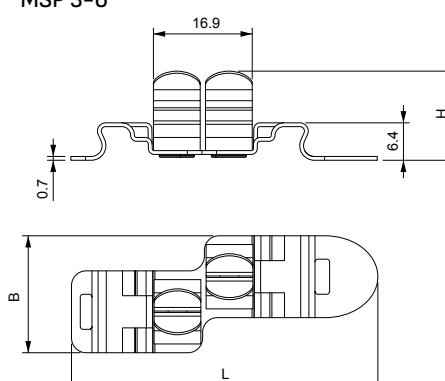
MSP 3 - 6

Dimensions (mm)

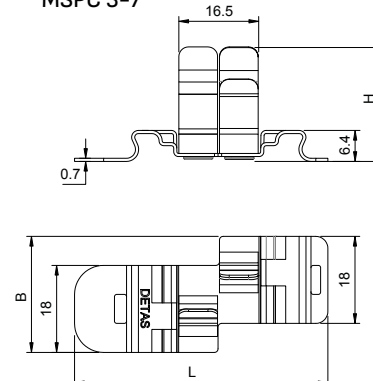
MSP 1,5-3 V2



MSP 3-6*



MSPC 3-7





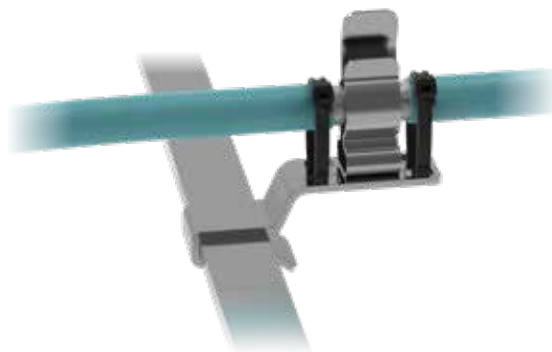
MSBS

Shielding clamps for 10x3 mm busbar

FEATURES

- Suitable for a cable diameter range from 1,5 to 22 mm
- Shield grounding and strain relief functions with a single device
- Double cable tie
- Snap-in assembly, no need to use tools
- Very compact design

NEW

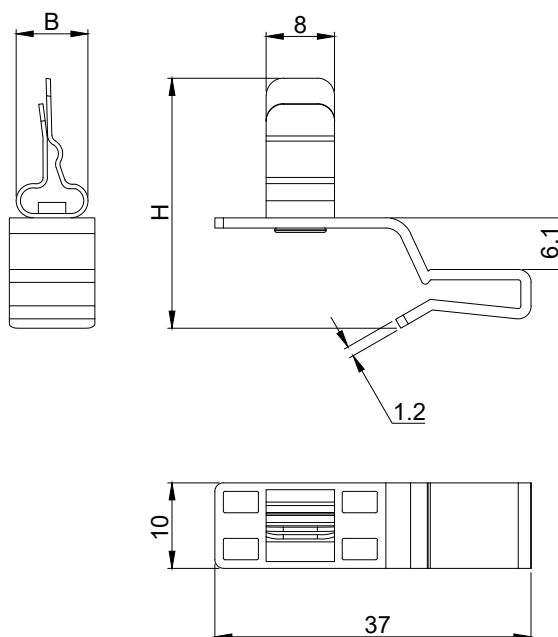


The MSBS shielding clamps enable the cable shield to be grounded easily and effectively. They secure the additional strain relief function with one or two cable ties. The shielding clamp can be installed on busbar 3x10 mm.

Material: spring steel, zinc plated

Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSBS 1.5-3	1734040015	1,5 - 3	8,4	29,2	50
MSBS 3-6	1734040025	3 - 6	11	29,1	
MSBS 6-10	1734040035	6 - 10	8,6	37,7	
MSBS 9-12	1734040045	9 - 12	12	34,6	
MSBS 11-17	1734040055	11 - 17	14	40,2	
MSBS 18-22	1734040065	18 - 22	22	49,4	

Dimensions (mm)





Shielding clamps for 10x3 mm busbar

FEATURES

- Suitable for a cable diameter range from 1,5 to 22 mm
- Shield grounding and strain relief function with the same device
- Double cable tie
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks



The MSB shielding clamps enable the cable shield to be grounded easily and effectively. They secure the additional strain relief function with two cable ties. The MSB shielding clamps can be used on 10x3 bars.

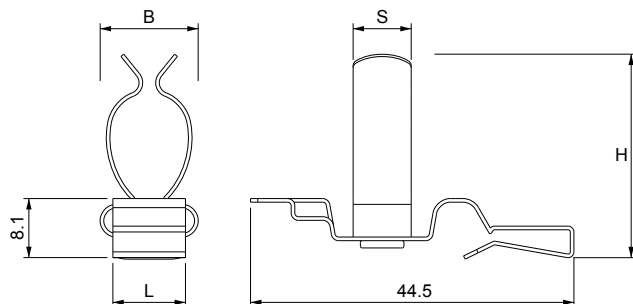
Material: spring steel, zinc plated

Model	Code	Clamping range (mm)	Dimensions (mm)				Pcs (/pack)
			L	B	H	S	
MSB 1.5-3	1734040010	1,5 - 3	10	11	15	8	50
MSB 3-6	1734040020	3 - 6	10	11	17	8	
MSB 7-9	1734040030	7 - 9	10	11	20	8	
MSB 9-12	1734040040	9 - 12	10	12	22	8	
MSB 11-17	1734040050	11 - 17	10	13,5	28	8	
MSB 18-22	1734040060	18 - 22	10	22	37	8	
MSBL 3-9	1734040080	3 - 9	10	16,5	23,5	8	50
MSBL 10-19	1734040090	10 - 19	10	19,5	30	8	

Product not available in Germany

4

Dimensions (mm)





MSR

Shielding clamps for 10x3 mm busbar

FEATURES

- Suitable for a cable diameter range from 1,5 to 22 mm
- Shield grounding and strain relief function with the same device
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks

The MSR shielding clamps enable the cable shield to be grounded easily and effectively. They secure the additional strain relief function with one cable tie. The MSR shielding clamps can be used on 10x3 busbar.

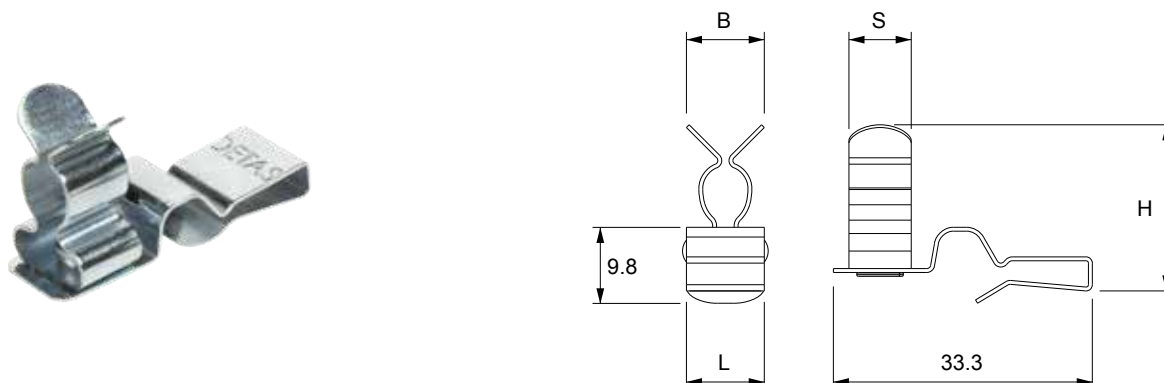
The strain relief function complies with EN 62444 standard.

Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)				Pcs (/pack)
			L	B	H	S	
MSR 1.5-3	1734040310	1,5 - 3	10	11	16,5	8	50
MSR 3-6	1734040320	3 - 6	10	11	19	8	
MSR 7-9	1734040330	7 - 9	10	11	21,5	8	
MSR 9-12	1734040340	9 - 12	10	12	24,5	8	
MSR 11-17	1734040350	11 - 17	10	13,5	30	8	
MSR 18-22	1734040360	18 - 22	10	22	39,5	8	
MSRL 3-12	1734040381	3 - 12	10	12	19	8	
MSRL 10-19	1734040390	10 - 19	10	10	30	8	

Dimensions (mm)



Shielding clamps for 10x3 mm busbar

FEATURES

- Suitable for a cable diameter range from 1,5 to 10 mm
- Shield grounding and strain relief functions in a single device
- Snap-in assembly, no need to use tools
- Constant pressure of the clamp on the cable braid without having to run tests and checks

The MSRP/MSRC shielding clamps allow to easily and effectively ground the cable shield and guarantee the strain relief function with a cable tie.

The special shape allows side-by-side mounting on a 10x3 mm busbar, allowing significant space savings on the cabinet.

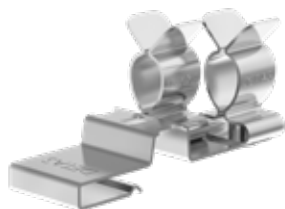
Material: spring steel, zinc plated



MSRP 1.5-3 V2

Model	Code	Clamping range (mm)	Dimensions (mm) H	Pcs (/pack)
MSRP 1.5-3 V2	1734040111	1,5 - 3	16,5	50
MSRP 3-6*	1734040120	3 - 6	19,1	
MSRP 7-9*	1734040130	7 - 9	21,4	
MSRC 3-7	1734040121	3 - 7	27,2	
MSRC 6-10	1734040131	6 - 10	30	

* Not available in Germany



MSRP 3 - 6

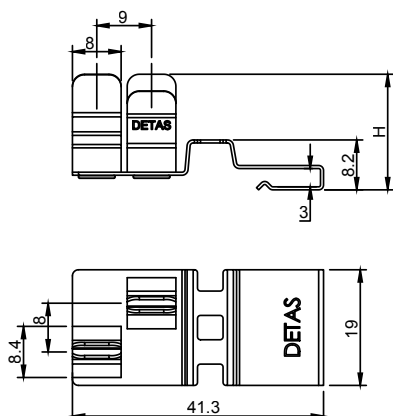


MSRC 3 - 7

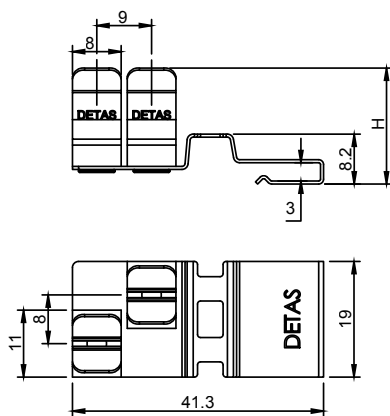


Dimensions (mm)

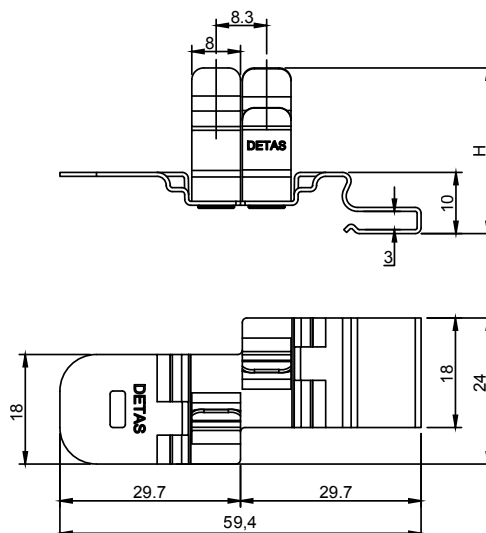
MSRP 1.5-3 V2



MSRP 3 - 6 / MSRP 7 - 9



MSRC 3 - 7 / MSRC 6 - 10





MSH

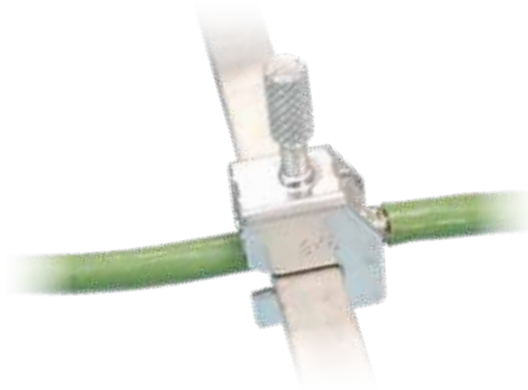
Shielding clamps for 10x3 mm busbar

FEATURES

- Suitable for a cable diameter range from 2 to 35 mm
- Installation on 10x3 busbar
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks

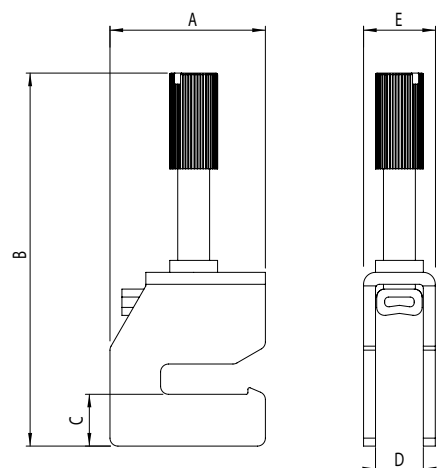
The MSH shield clamps enable the cable shield to be grounded easily and effectively. The MSH shielding clamps are used on 10x3 busbar and they are secured by tightening the screw which also provides strain relief function.

Material: spring steel, zinc plated



Model	Code	Clamping range (mm)	Dimensions (mm)					Pcs (/pack)
			A	B	C	D	E	
MSH 2-5	1734040405	2 - 5	19,5	47,5	6,5	6,5	9,4	10
MSH 3-8	1734040408	3 - 8	19,5	49,5	6,5	9	12,4	
MSH 3-14	1734040414	3 - 14	19,5	60,6	6,5	14	17,3	
MSH 3-20	1734040420	3 - 20	19,5	75	6,5	21	24	
MSH 20-35	1734040435	20 - 35	20	106,5	6,5	36	40	

Dimensions (mm)





FEATURES

- Suitable for a cable diameter range from 1,5 to 9 mm, other sizes on request
- Shield grounding and strain relief functions in a single device
- For Siemens SIMATIC ET200SP distributed I/O systems
- Constant pressure of the clamp on the cable braid without having to run tests and checks

The MSK/MSK2 shielding clamps allow to easily and effectively ground the cable shield and guarantee the strain relief function with a cable tie. The special shape allows installation on Siemens SIMATIC ET200SP distributed I/O systems.

Material: spring steel, zinc plated



MSK



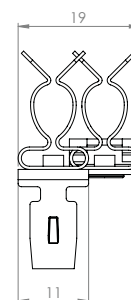
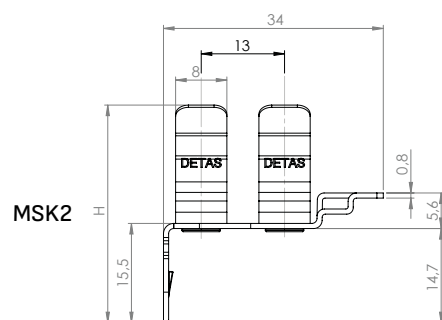
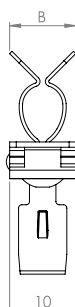
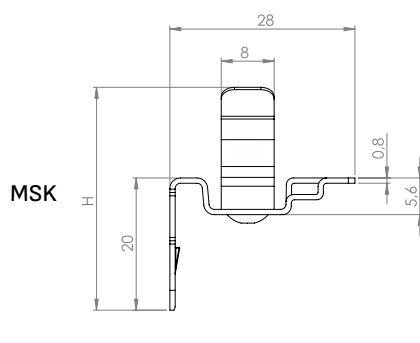
MSK2*

Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSK 1.5-3	1734030210	1,5 - 3	8,4	28,8	50
MSK 3-6	1734030220	3 - 6	9,6	31,4	
MSK 7-9	1734030230	7 - 9	10	33,7	
MSK2 1.5-3*	1734030215	1,5 - 3	-	28,8	
MSK2 3-6*	1734030225	3 - 6	-	31,4	
MSK2 7-9*	1734030235	7 - 9	-	33,7	

* Not available in Germany



Dimensions (mm)





MSY / MSY2

Shielding clamps for I/O Systems

FEATURES

- Suitable for a cable diameter range from 1,5 to 9 mm, other sizes on request
- Shield grounding and strain relief functions in a single device
- For Siemens SIMATIC ET200S distributed I/O systems
- Constant pressure of the clamp on the cable braid without having to run tests and checks

The MSY/MSY2 shielding clamps allow to easily and effectively earthing the cable shielding and guarantee the strain relief function with a cable tie.

The special shape allows installation on Siemens SIMATIC ET200S distributed I/O systems.

Material: spring steel, zinc plated



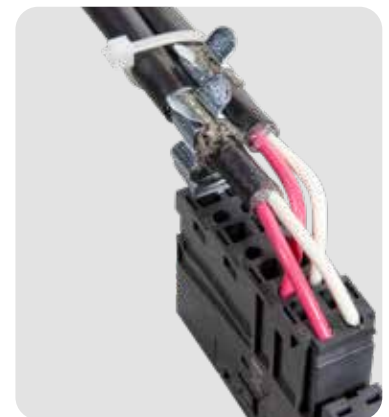
MSY



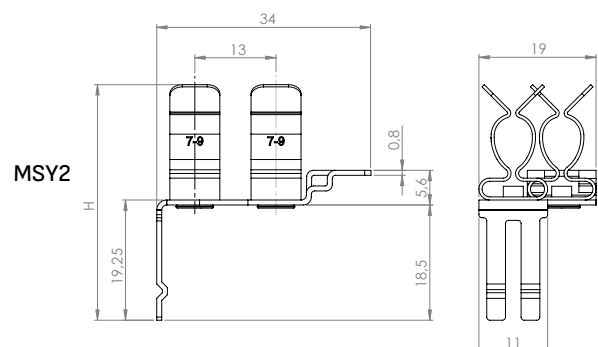
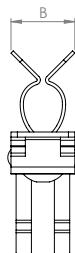
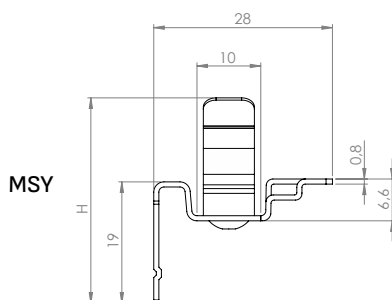
MSY2*

Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MSY 1.5-3	1734030240	1,5 - 3	8,4	27,3	50
MSY 3-6	1734030250	3 - 6	9,6	29,9	
MSY 7-9	1734030260	7 - 9	10	32,2	
MSY2 1.5-3*	1734030245	1,5 - 3	-	27,3	
MSY2 3-6*	1734030255	3 - 6	-	29,9	
MSY2 7-9*	1734030265	7 - 9	-	32,2	

* Not available in Germany



Dimensions (mm)





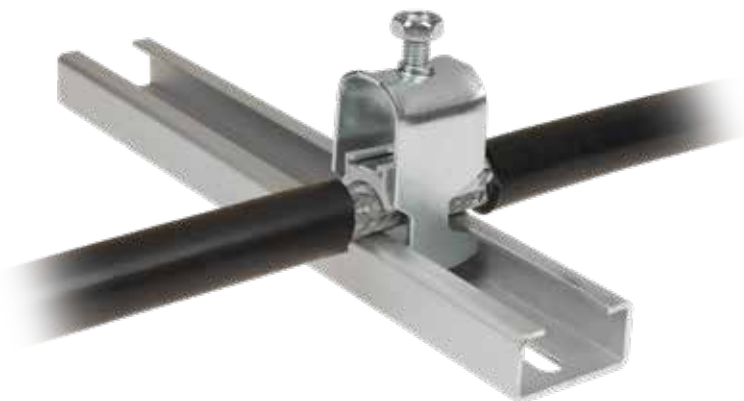
Shielding clamp for C 30 mm rail

FEATURES

- Suitable for a wide range of cable diameter from 6 to 42 mm
- Installation on C rail 30 mm
- Snap-in assembly with tightening nut
- Cost effective

The MST shield clamps enable the cable shield to be grounded easily and effectively. The MST shield clamps are used on the C 30 mm rail and they are secured by tightening the screw which also ensures the strain relief function.

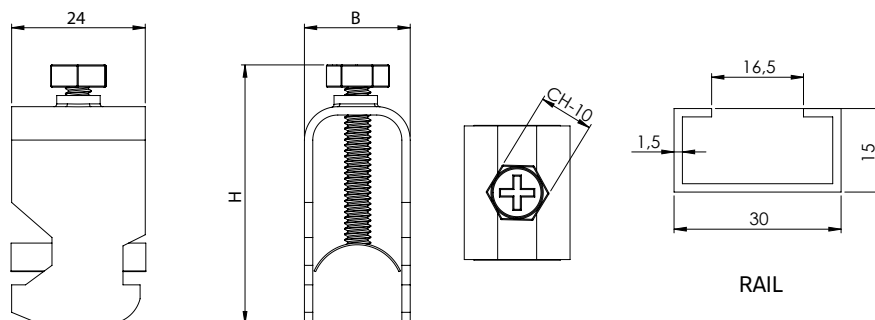
Material: zinc plated steel



Model	Code	Clamping range (mm)	Dimensions (mm)		Pcs (/pack)
			B	H	
MST 6-12	1734040512	6 - 12	21	70	10
MST 12-18	1734040518	12 - 18	23	70	
MST 18-22	1734040522	18 - 22	27	70	
MST 22-30	1734040530	22 - 30	39	85	
MST 30-38	1734040538	30 - 38	45	90	
MST 38-42	1734040542	38 - 42	47	95	



Dimensions (mm)





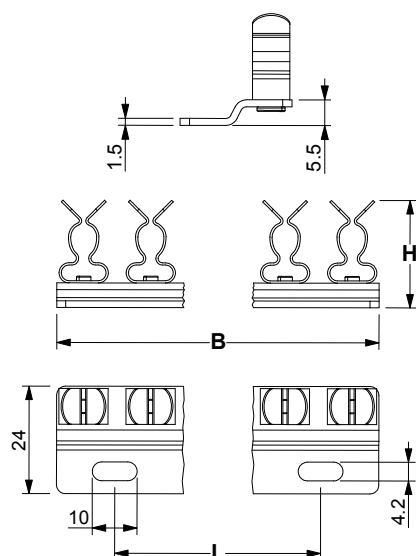
FEATURES

- Suitable for a cable diameter range from 1,5 to 12 mm
- Snap-in assembly, no need to use tools
- Constant pressure on the cable braid without having to run tests and checks
- Saving installation time and money

The multiple EMC shielding clamps speed up installation and reduce the space needed instead of using a multitude of single clamps. The base of the clips is fixed with two M4 screws. Custom solutions are welcome.

Material: SS304 stainless steel (base), spring steel, zinc plated (clips)

Dimensions (mm)



Model	Code	Nr. Cables	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
				B	L	H	
MSU 3x 1,5-3	1734030310	3	1,5 - 3	46	30	19,1	1
MSU 3x 3-6	1734030320	3	3 - 6	46	30	21,6	
MSU 3x 7-9	1734030330	3	7 - 9	46	30	24,0	
MSU 3x 9-12	1734030340	3	9 - 12	46	30	27,2	
MSU 4x 1,5-3	1734030410	4	1,5 - 3	61	30	19,1	
MSU 4x 3-6	1734030420	4	3 - 6	61	30	21,6	
MSU 4x 7-9	1734030430	4	7 - 9	61	30	24,0	
MSU 4x 9-12	1734030440	4	9 - 12	61	30	27,2	
MSU 5x 1,5-3	1734030510	5	1,5 - 3	72	46	19,1	
MSU 5x 3-6	1734030520	5	3 - 6	72	46	21,6	
MSU 5x 7-9	1734030530	5	7 - 9	72	46	24,0	
MSU 5x 9-12	1734030540	5	9 - 12	72	46	27,2	
MSU 6x 1,5-3	1734030610	6	1,5 - 3	88	62	19,1	
MSU 6x 3-6	1734030620	6	3 - 6	88	62	21,6	
MSU 6x 7-9	1734030630	6	7 - 9	88	62	24,0	
MSU 6x 9-12	1734030640	6	9 - 12	88	62	27,2	
MSU 7x 1,5-3	1734030710	7	1,5 - 3	104	78	19,1	
MSU 7x 3-6	1734030720	7	3 - 6	104	78	21,6	
MSU 7x 7-9	1734030730	7	7 - 9	104	78	24,0	
MSU 7x 9-12	1734030740	7	9 - 12	104	78	27,2	
MSU 8x 1,5-3	1734030810	8	1,5 - 3	120	94	19,1	
MSU 8x 3-6	1734030820	8	3 - 6	120	94	21,6	
MSU 8x 7-9	1734030830	8	7 - 9	120	94	24,0	
MSU 8x 9-12	1734030840	8	9 - 12	120	94	27,2	
MSU 9x 1,5-3	1734030910	9	1,5 - 3	140	116	19,1	
MSU 9x 3-6	1734030920	9	3 - 6	140	116	21,6	
MSU 9x 7-9	1734030930	9	7 - 9	140	116	24,0	
MSU 9x 9-12	1734030940	9	9 - 12	140	116	27,2	
MSU 10x 1,5-3	1734031010	10	1,5 - 3	150	126	19,1	
MSU 10x 3-6	1734031020	10	3 - 6	150	126	21,6	
MSU 10x 7-9	1734031030	10	7 - 9	150	126	24,0	
MSU 10x 9-12	1734031040	10	9 - 12	150	126	27,2	
MSU 11x 1,5-3	1734031110	11	1,5 - 3	166	140	19,1	
MSU 11x 3-6	1734031120	11	3 - 6	166	140	21,6	
MSU 11x 7-9	1734031130	11	7 - 9	166	140	24,0	
MSU 11x 9-12	1734031140	11	9 - 12	166	140	27,2	
MSU 12x 1,5-3	1734031210	12	1,5 - 3	172	156	19,1	
MSU 12x 3-6	1734031220	12	3 - 6	172	156	21,6	
MSU 12x 7-9	1734031230	12	7 - 9	172	156	24,0	
MSU 12x 9-12	1734031240	12	9 - 12	172	156	27,2	



Spring shielding clamps

FEATURES

- Suitable for a cable diameter range from 2 to 32 mm
- MSFD: version with base for TH35 DIN rail
- Constant pressure on the cable braid without having to run tests and checks

The MSF/MSFD shielding clamps enable the cable shield to be grounded easily and effectively. They secure the strain relief function thanks to the spring which maintains constant pressure on the cable braid.

Material: steel with electrolytic nickel plating



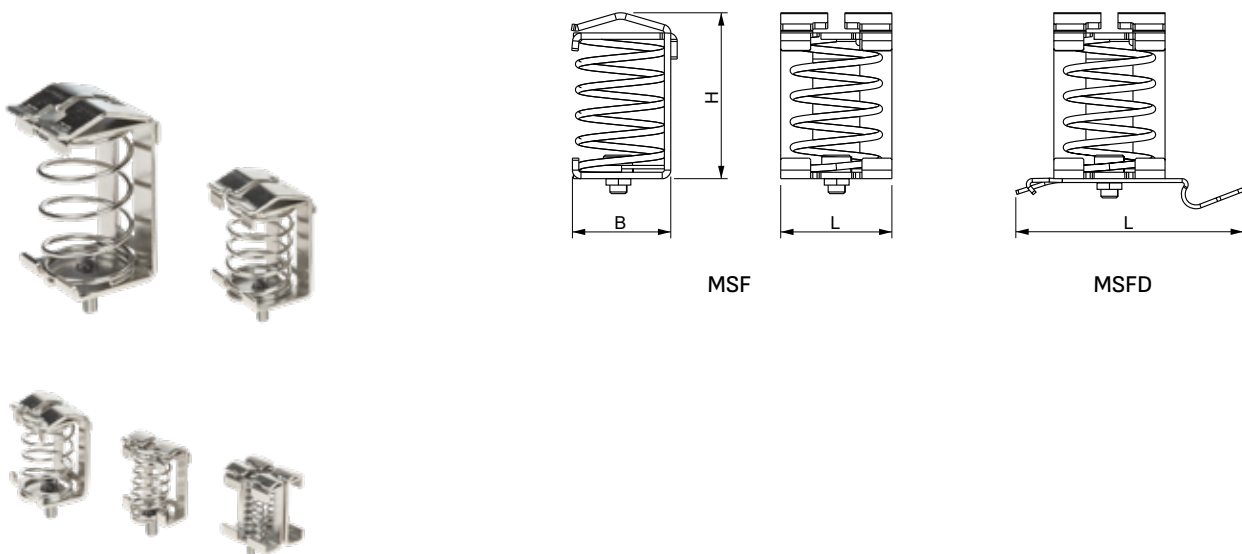
MSF



MSFD

Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			H	L	B	
MSF 2x2-6	1734020300	2x 2 - 6	23,1	18	16	10
MSF 3-8	1734020305	3 - 8	25,5	18,0	11,0	
MSFD 3-8	1734020310	3 - 8	26,0	50,0	14,5	
MSF 4-13,5	1734020315	4 - 13,5	30,0	18,0	15,0	
MSFD 4-13,5	1734020320	4 - 13,5	30,0	50,5	20,5	
MSF 10-20	1734020325	10 - 20	40,0	26,0	25,0	
MSFD 10-20	1734020330	10 - 20	40,0	50,5	25,0	
MSF 15-32	1734020335	15 - 32	64,0	32,0	36,0	
MSFD 15-32	1734020340	15 - 32	64,0	50,5	34,5	

Dimensions (mm)



MSF

MSFD



MSFC / MSFE

Spring shielding clamps



MSFC



MSFE

FEATURES

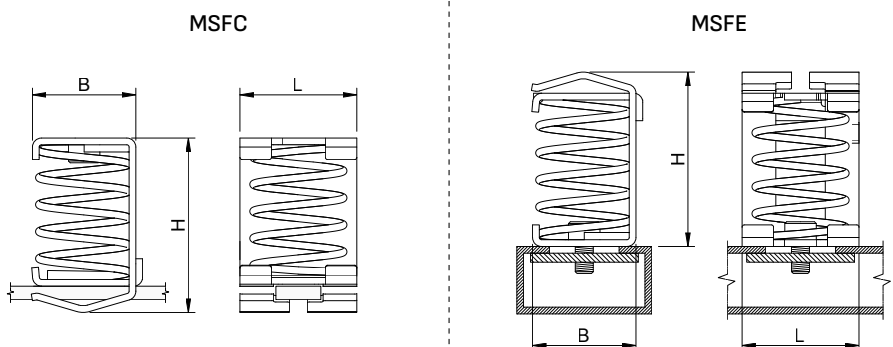
- Suitable for a cable diameter range from 2 to 32 mm
- MSFC: version with base for 3X10 rail
- MSFE: version with base for C 30 rail
- Constant pressure on the cable braid without having to run tests and checks

The MSFC/MSFE shielding clamps enable the cable shield to be grounded easily and effectively. They secure the strain relief function thanks to the spring which maintains constant pressure on the cable braid.

Material: steel with electrolytic nickel plating

Model	Code	Clamping range (mm)	Dimensions (mm)			Pcs (/pack)
			H	L	B	
MSFC 2x2-6	1734040705	2x 2 - 6	24	15	18	10
MSFC 3-8	1734040710	3 - 8	26	13	18	
MSFC 4-13,5	1734040715	4 - 13,5	31,5	20	20,5	
MSFC 10-20	1734040720	10 - 20	40	25	26	
MSFC 15-32	1734040725	15 - 32	63,9	36	32	
MSFE 3-8	1734040810	3 - 8	26	10,3	18	
MSFE 4-13,5	1734040815	4 - 13,5	31,1	18,1	20,2	
MSFE 10-20	1734040820	10 - 20	39,5	23,5	26,1	
MSFE 15-32	1734040825	15 - 32	62,5	36	32,1	

Dimensions (mm)



Shielding clamps for PCB

FEATURES

- Suitable for a cable diameter range from 1,5 to 9 mm
- Direct mounting on PCB
- Constant pressure on the cable braid without having to run tests and checks

The MSC shielding clamps enable the cable shield to be grounded easily and effectively. The MSC shielding clamps are fixed and soldered directly on the PCB.

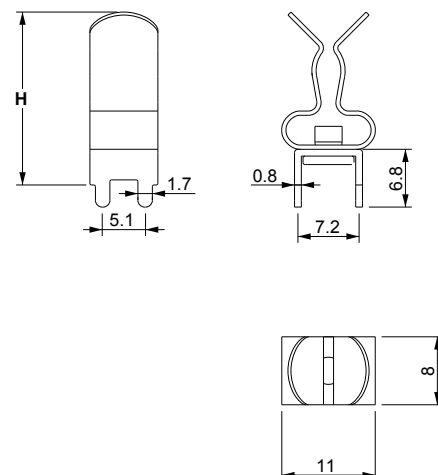
Material: spring steel, zinc plated, base in tinned brass



Model	Code	Clamping range (mm)	Clamp dimensions H (mm)	Pz (x conf.)
MSC 1.5-3	1734060001	1,5 - 3	18	50
MSC 3-6	1734060003	3 - 6	20,5	
MSC 7-9	1734060006	7 - 9	23	



Dimensions (mm)





FEATURES

- Direct installation on DES frames
- Effective grounding of the cable shield with integrated strain relief using busbar clamps
- Quick installation

The brackets of the EMCS series can be installed on the DES, DES M, DES CLiCK frames for shielding the cables using the MSB, MSR, MSRP, MSBS or MSH clips.

Material: Stainless steel SS 304

RELATED PRODUCTS

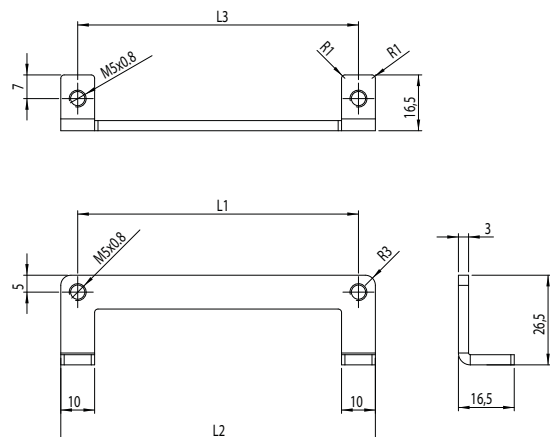
- DES Q
- DES 10
- DES 16
- DES 24
- DES 16M
- DES 24M
- DES L series
- DES LC series
- DES Q CLICK
- DES 10 CLICK
- DES 16 CLICK
- DES 24 CLICK



Model	Code	Dimensions (mm)			Pcs (/pack)
		L1	L2	L3	
EMCS24	1734090124	130	140	130	1
EMCS16	1734090116	103	113	103	
EMCS10	1734090110	83	93	83	
EMCSQ	1734090108	58	68	58	



Dimensions (mm)





EMC bracket with strain relief for OSF family

FEATURES

- Stainless steel bracket for the grounding of the cable shield
- Quick installation on OSF/DESCCLICK/DESPRED divisible cable glands
- Cable strain relief with cable tie

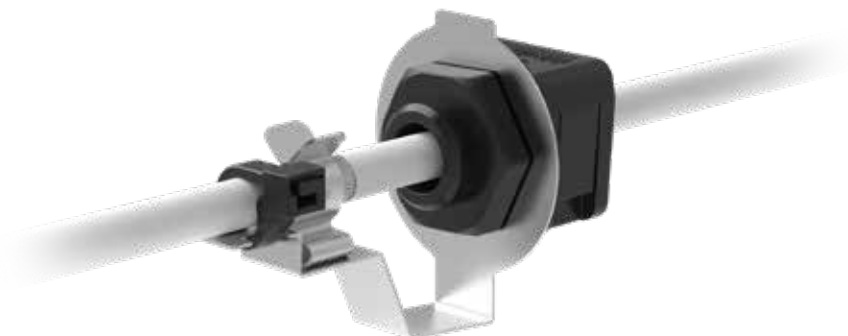
OSF EMC brackets are used to ground and guarantee strain relief of shielded cables used with OSF series.

Four models are available for the corresponding metric openings M16, M20, M25, and M32 each with two models of shielding clamps from 1.5 to 6 mm. Brackets for other diameters can be provided on request.

Material: Stainless steel SS304

RELATED PRODUCTS

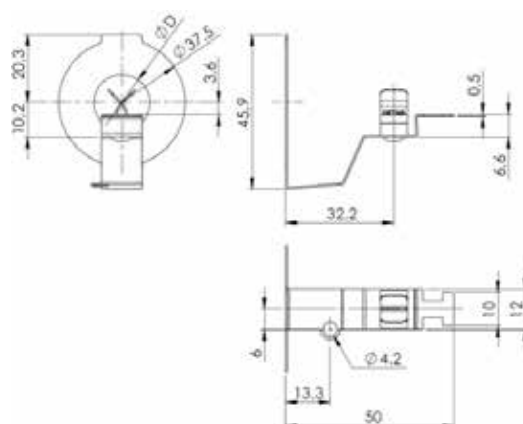
- OSF
- OSF 90
- DESCCLICK
- DESPRED



Model	Code	Clamping range (mm)	Ø D (mm)	Pcs (/pack)
OSF EMC 16-1,5-3	1734052316	1,5 - 3	16,5	10
OSF EMC 16-3-6	1734052317	3 - 6	16,5	
OSF EMC 20-1,5-3	1734052320	1,5 - 3	20,5	
OSF EMC 20-3-6	1734052321	3 - 6	20,5	
OSF EMC 25-1,5-3	1734052325	1,5 - 3	25,5	
OSF EMC 25-3-6	1734052326	3 - 6	25,5	
OSF EMC 32 -1,5-3	1734052332	1,5 - 3	32,5	
OSF EMC 32-3-6	1734052333	3 - 6	32,5	

Other models upon request

Dimensions (mm)





FEATURES

- Direct installation on DES frames or plates
- Effective grounding of the cable shield with integrated strain relief
- Quick installation

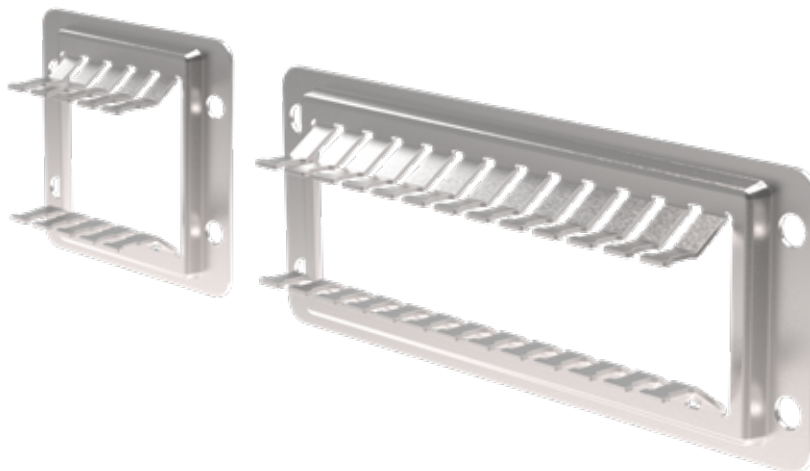
NEW

The brackets of the EMCZ series can be installed on all DES and DES PDM 24 and PDM Q models. With the same device, it is possible to ground the cable shield and achieve the strain relief function with cable ties.

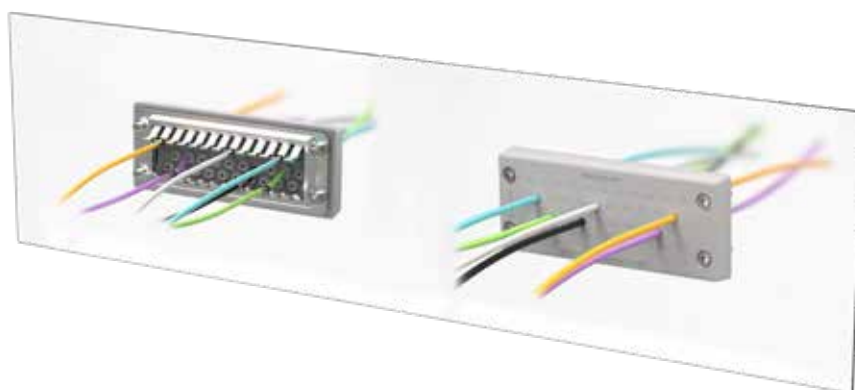
Material: Stainless steel SS304

RELATED PRODUCTS

- DES 24
- DES 24 CLICK
- DES 24M
- DES Q
- DES Q CLICK
- PDM 24
- PDM Q

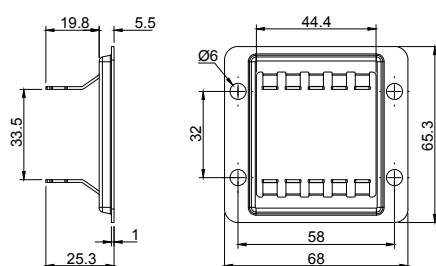


Model	Code	Pcs (/pack)
EMCZ-24	1734090134	1
EMCZ-Q	1734090130	

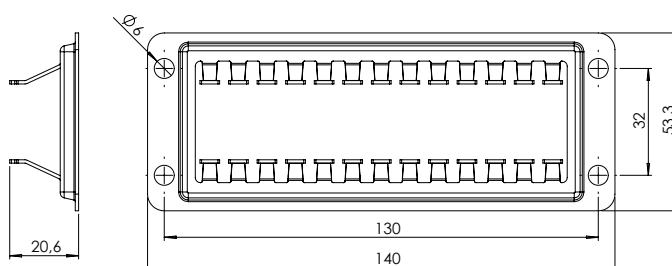


Dimensions (mm)

EMCZ-Q



EMCZ-24





EMC and strain relief brackets for splittable cable glands and DES PDM M

FEATURES

- Direct installation on the threaded body
- Effective grounding of the cable shield with integrated strain relief
- Quick installation

NEW

The brackets of the EMCZ M series can be installed on DESPRED 63, DES PDM M40, DES PDM M50 and DES PDM M63. With the same device, it is possible to ground the cable shielding and achieve the strain relief function with cable ties.

Material: Cold-rolled low carbon steel

RELATED PRODUCTS

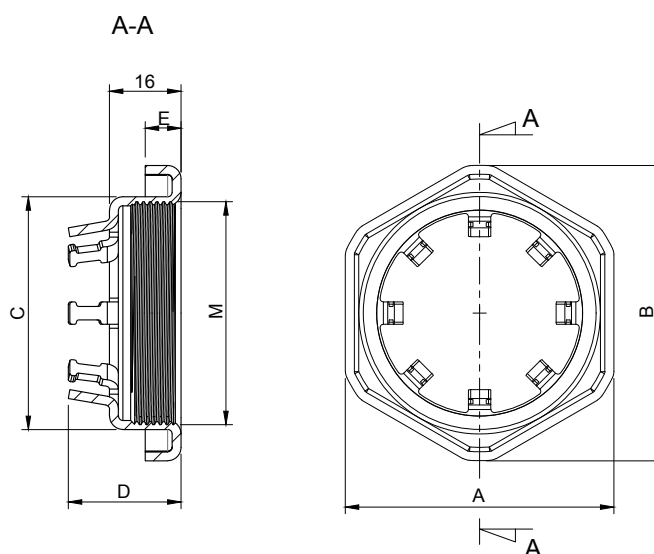
- DES PDM M
- DESPRED
- OSF
- DESCCLICK



Model	Code	M	Dimensions (mm)					Pcs (/pack)
			A	B	C	D	E	
EMCZ-M40	1734090140	40	49	55,7	41,6	24,4	9,5	1
EMCZ-M50	1734090150	50	60	66	52	25,2	8	
EMCZ-M63	1734090163	63	75	83	65	28,6	8	



Dimensions (mm)





MB

35 mm DIN RAIL bases

FEATURES

- Steel DIN Rail bases
- Quick installation with rivets
- Strong and secure fixing

The MB DIN rail bases are used for quick installation of any kind of device on the TS35 DIN rail. The fixing is made with rivets. Two models are available depending on the size of the device that needs to be fixed to the base.

Material: spring steel, zinc plated

RELATED PRODUCTS

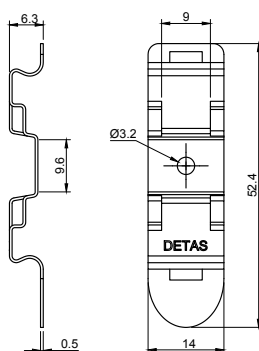
- MSS shield clamps
- MSS2 shield clamps
- MSL shield clamps
- MSS3 shield clamps



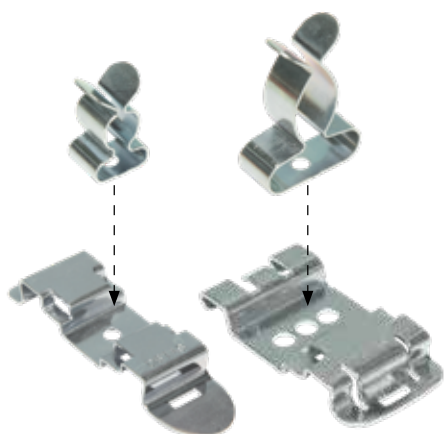
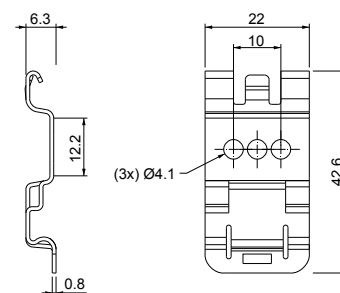
Model	Code	Dimensions (mm)			Pcs (/pack)
		B	H	S	
MB14V2	1734000151	14	52,4	6,2	50
MB22	1734000100	22	42,6	6,3	

Dimensions (mm)

MB14V2



MB22





Shielding clamp samples box

FEATURES

- 163 shielding clamps
- Wide choice of DetasUltra clamps
- Price savings compared to separate purchase of each part

Practical box containing 163 shielding clamps with various dimensions and fixing methods.

Thanks to the wide choice it is possible to select the most suitable model for the specific application.



Model	Code	Dimensions (mm)	Pcs (/pack)
ENGINEERING BOX EMC	1734090100	370 x 300 x 90	1

Box content

Model	Pcs	Model	Pcs	Model	Pcs
MB14V2	10	MSS 38-48	4	MSBL 3-9	10
MB22	10	MSD 22-30	3	MSBL 10-19	10
MSL 3-9	20	MSD 30-37	3	MSAL 3-9	10
MSL 10-19	20	MSD 38-48	3	MSAL 10-19	10
MSS 22-30	5	MSD2L 3-9	10	MSEL 3-9	10
MSS 30-37	5	MSD2L 10-19	10	MSEL 10-19	10



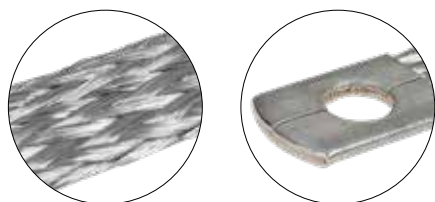
FEATURES

- Sections from 6 to 25 mm²
- Custom solutions available
- Sections up to 95 mm² on request
- Rounded terminals

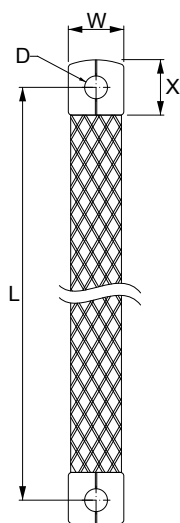
The CTX flexible earthing braids are made of tinned copper.

Pure Cu-ETP – ASTM C11000 copper enables an excellent ground connection.

Material: tinned copper >99,95%



Dimensions (mm)



Model	Code	Section (mm ²)	Dimensions (mm)			
			L	W	X	D
CTX-6/200/M6	1734080010	6	200	11	13	7
CTX-6/250/M6	1734080015	6	250	11	13	7
CTX-6/300/M6	1734080020	6	300	11	13	7
CTX-6/400/M6	1734080025	6	400	11	13	7
CTX-6/500/M6	1734080030	6	500	11	13	7
CTX-10/100/M6	1734080035	10	100	17	23	7
CTX-10/100/M8	1734080040	10	100	17	23	9
CTX-10/150/M8	1734080045	10	150	17	23	9
CTX-10/200/M6	1734080050	10	200	17	23	7
CTX-10/200/M8	1734080055	10	200	17	23	9
CTX-10/250/M6	1734080060	10	250	17	23	7
CTX-10/300/M6	1734080065	10	300	17	23	7
CTX-10/300/M8	1734080070	10	300	17	23	9
CTX-10/400/M6	1734080075	10	400	17	23	7
CTX-10/400/M8	1734080080	10	400	17	23	9
CTX-10/500/M6	1734080085	10	500	17	23	7
CTX-16/100/M6	1734080090	16	100	17	23	7
CTX-16/100/M8	1734080095	16	100	17	23	9
CTX-16/150/M6	1734080100	16	150	17	23	7
CTX-16/150/M8	1734080105	16	150	17	23	9
CTX-16/200/M6	1734080110	16	200	17	23	7
CTX-16/200/M8	1734080115	16	200	17	23	9
CTX-16/250/M8	1734080120	16	250	17	23	9
CTX-16/300/M6	1734080125	16	300	17	23	7
CTX-16/300/M8	1734080130	16	300	17	23	9
CTX-16/350/M8	1734080135	16	350	17	23	9
CTX-16/400/M8	1734080140	16	400	17	23	9
CTX-16/500/M8	1734080145	16	500	17	23	9
CTX-16/600/M8	1734080150	16	600	17	23	9
CTX-25/100/M10	1734080155	25	100	23	23	11
CTX-25/150/M10	1734080160	25	150	23	23	11
CTX-25/200/M8	1734080165	25	200	23	23	9
CTX-25/200/M10	1734080170	25	200	23	23	11
CTX-25/250/M8	1734080175	25	250	23	23	9
CTX-25/300/M8	1734080180	25	300	23	23	9
CTX-25/300/M10	1734080185	25	300	23	23	11
CTX-25/350/M10	1734080190	25	350	23	23	11
CTX-25/400/M8	1734080195	25	400	23	23	9
CTX-25/500/M8	1734080200	25	500	23	23	9
CTX-25/600/M8	1734080205	25	600	23	23	9



FEATURES

- Multiple configurations with small and large grommets
- Large conductive area in contact with the cable (21 mm)
- Excellent cable grip thanks to the multi-range grommets
- Frame screws in AISI304 Stainless Steel
- Sturdy construction IK10
- High levels of EMI shielding
- Anti-static protection
- Threaded inserts version on request

The DES EMC splittable frames are used when it is necessary to ground shielded cables in fast and efficient way.

The frames are treated with a **special conductive copper** paint coated in silver while the grommets are produced with TPE with added conductive material.

Thanks to the mechanical connection to the panel made by the fixing screws, the **cable braid is efficiently grounded without generating further disturbances often created by the external metal brackets** that become antennas.

Material: PP+GF with Silver coated copper conductive coating, halogens and silicones free

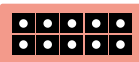
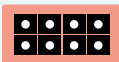
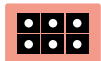
Flammability: self-extinguishing acc. UL94-V0

Temperature: -40°C... +100°C (static)

RELATED PRODUCTS

- SPG EMC grommets (pag 156)
- SPP EMC grommets (pag 156)
- DES Cover (page 28)
- HY360 hydraulic punch driver (page 162)
- PF cable entry system plates (page 164)



Model	Code	Dimensions (mm)	Max. cut-out (mm)	Pcs (/pack)
DES 24 EMC	1734014024	 146 x 61	112 x 36	10
DES 16 EMC	1734014016	 120 x 61	86 x 36	
DES 10 EMC	1734014010	 99 x 61	63 x 36	
DES Q EMC	1734014008	 74 x 61	40 x 36	
DES L2 EMC	1734014002	 74 x 41	40 x 18	
DES L3 EMC	1734014003	 99 x 41	63 x 18	
DES L4 EMC	1734014004	 120 x 41	86 x 18	
DES L5 EMC	1734014005	 146 x 41	112 x 18	



SPP / SPG EMC

EMI/EMC small and large grommets



FEATURES

- Conductive grommets for cables from 2 to 35 mm diameter
- Single hole, multi-range, double and quadruple
- "Blind" version available
- UL94-HB
- Black color

The EMC grommets allow several shielded cables from 2 to 35 mm diameter to be routed in the DES EMC splittable frames.

The contact between the cable braid and the grommet is secured thanks to the grommet thickness.

The EMC grommets simplify the cable shielding application and conductive element adhesion.

Material: TPE with conductive element, halogens and silicones free

Flammability: acc. UL94-HB

Temperature: -40°C... +100°C (static)

RELATED PRODUCTS

- DES EMC

Model	Code	Ø Cable (mm)	Pcs (/pack)
-------	------	--------------	-------------



SPP 0 EMC	1734024100	"Blind"	10
SPP 2 EMC	1734024102	2-3	
SPP R1	1734024140	3-6	
SPP R2	1734024142	6-9	
SPP R3	1734024144	9-12	
SPP R4	1734024146	12-15	
SPP 16 EMC	1734024116	16-17	



SPP 2x2 EMC	1734024304	2 x 2	10
SPP 2x3 EMC	1734024306	2 x 3	
SPP 2x4 EMC	1734024308	2 x 4	
SPP 2x5 EMC	1734024310	2 x 5	
SPP 2x6 EMC	1734024312	2 x 6	
SPP 2x7 EMC	1734024314	2 x 7	
SPP 2x8 EMC	1734024316	2 x 8	



SPP 4x2 EMC	1734024318	4 x 2	10
SPP 4x3 EMC	1734024320	4 x 3	
SPP 4x4 EMC	1734024322	4 x 4	
SPP 4x5 EMC	1734024324	4 x 5	
SPP 4x6 EMC	1734024326	4 x 6	

Model	Code	Ø Cable (mm)	Pcs (/pack)
-------	------	--------------	-------------



SPG 0 EMC	1734024000	"Blind"	10
SPG 17 EMC	1734024117	17-18	
SPG 18 EMC	1734024118	18-19	
SPG 19 EMC	1734024119	19-20	
SPG 20 EMC	1734024120	20-21	
SPG 21 EMC	1734024121	21-22	
SPG 22 EMC	1734024122	22-23	
SPG 23 EMC	1734024123	23-24	
SPG 24 EMC	1734024124	24-25	
SPG 25 EMC	1734024125	25-26	
SPG 26 EMC	1734024126	26-27	
SPG 27 EMC	1734024127	27-28	
SPG 28 EMC	1734024128	28-29	
SPG 29 EMC	1734024129	29-30	
SPG 30 EMC	1734024130	30-31	
SPG 31 EMC	1734024131	31-32	
SPG 32 EMC	1734024132	32-33	
SPG 33 EMC	1734024133	33-34	
SPG 34 EMC	1734024134	34-35	

up to
IP66

**NEMA
12**

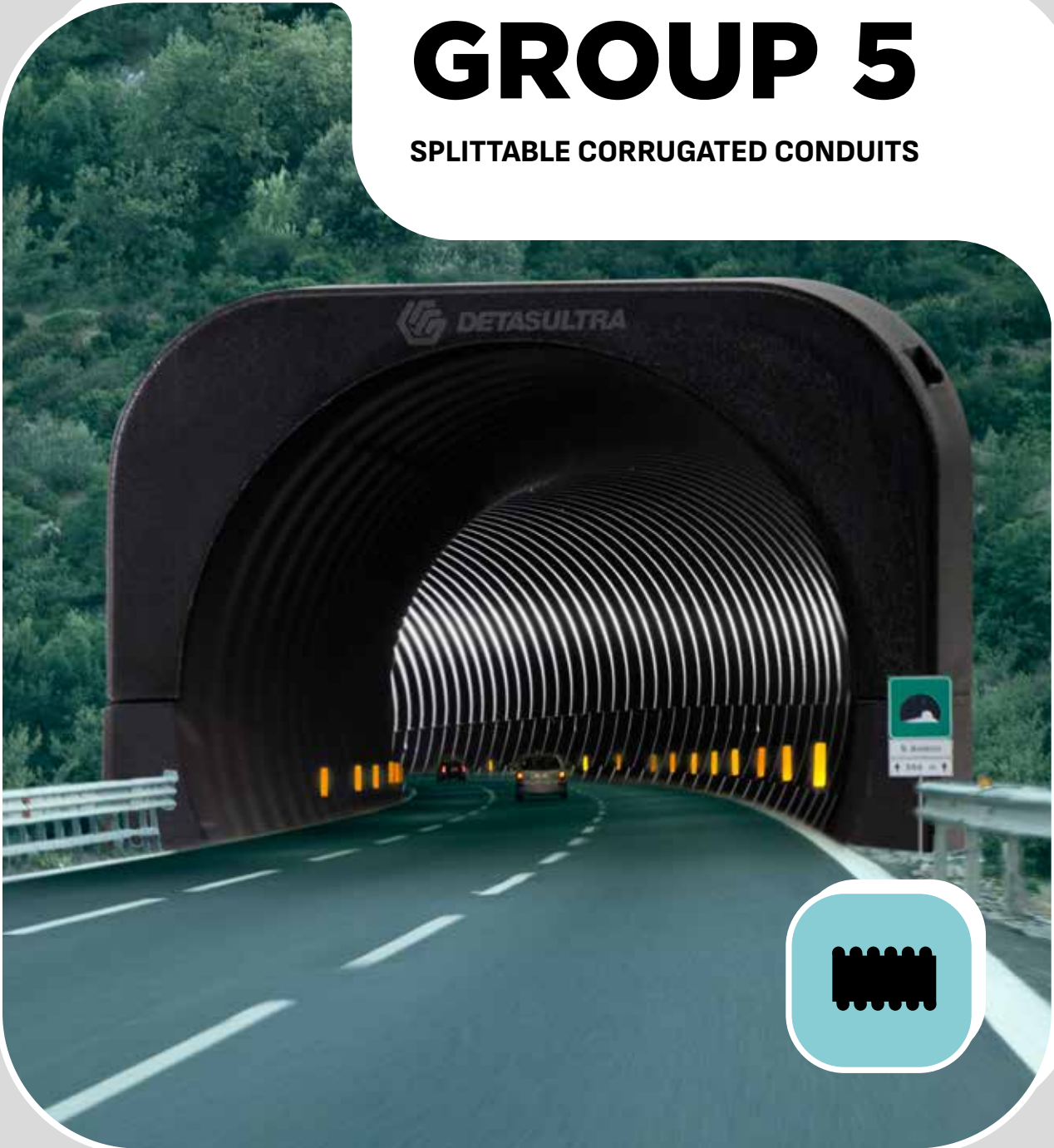

UL94-HB


ISO 4892-2A

**RoHS
COMPLIANT**

GROUP 5

SPLITTABLE CORRUGATED CONDUITS



**FL**

Splittable corrugated conduits

FEATURES

- Splittable double conduits
- Suitable for cables with connectors
- Easy openable during maintenance procedure

The splittable corrugated conduits FL can be used for cables with and without connectors.

The double conduit allow maintenance operation or changes easily and saving times, especially with pre-terminated cables.

Material: PP, halogens and silicones free

Flammability: self-extinguishing
acc. UL94-V2

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- FW Clips for corrugated conduits (page 159)



Model	NW	Code	Dimensions (mm)		Clip compatible	Pcs (/pack)
			Ø ext.	Ø int.		
FL 6	NW6	1735010010	10	6,3	FW 6	Multiple of 5 m
FL 10	NW10	1735010014	13,5	8,8	FW 10	
FL 11	NW11	1735010016	16,1	11,5	FW 11	
FL 14	NW14	1735010020	18,7	13,2	FW 14	
FL 16	NW16	1735010022	21,9	16	FW 16	
FL 20	NW20	1735010026	26	19,8	FW 20	
FL 23	NW23	1735010032	31,3	23,7	FW 23	
FL 29	NW29	1735010035	35,5	27,3	FW 29	
FL 37	NW37	1735010042	41,4	31	FW 37	
FL 45	NW45	1735010054	54,2	43,1	FW 45	



Holders for corrugated conduits

FEATURES

- Easy installation, tool free
- V2 Self-extinguishing

The FW holders are used for the corrugated conduits fixing.

They can be used with or without cover which ensures more stability to the conduit in case of curves or vibrations.

Material: PA, halogens and silicones free

Flammability: self-extinguishing
acc. UL94-V2

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- FL Splittable corrugated conduits

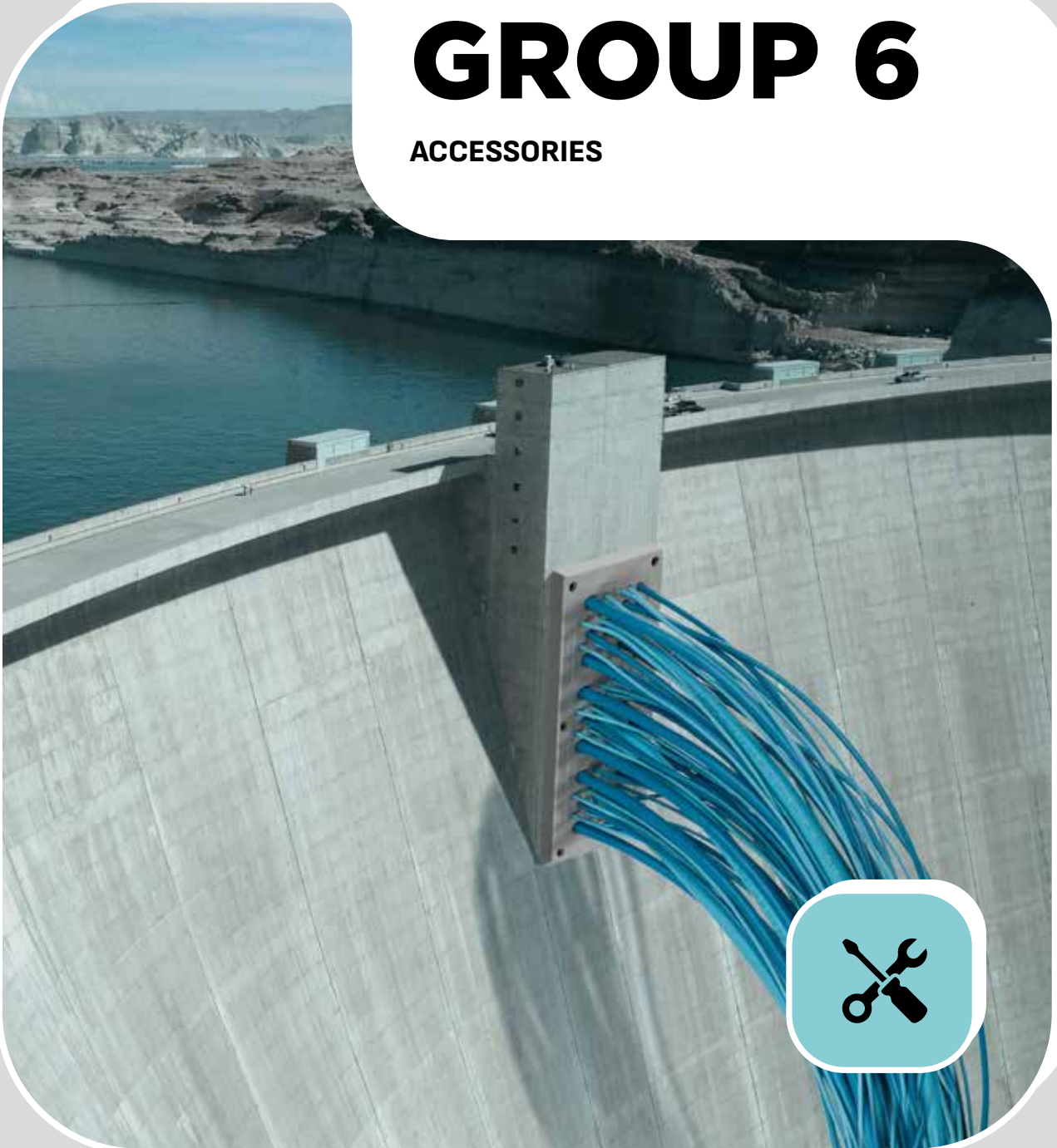


Model	Code	Ø (mm)	Pcs (/pack)
FW 6	1735030010	10	10
FW 10	1735030013	13	
FW 11	1735030015	15,8	
FW 14	1735030018	18,5	
FW 16	1735030021	21,2	
FW 20	1735030025	25	
FW 23	1735030028	28,8	
FW 29	1735030034	34,5	
FW 37	1735030042	42,5	
FW 45	1735030054	54,5	



GROUP 6

ACCESSORIES





Intumescent gaskets for DES family

FEATURES

- Intumescent gaskets for fire barrier
- In compliance with EN 1363-1 and EN 45545-3
- **Direct installation on DES Frames**
- Available separately from the frames

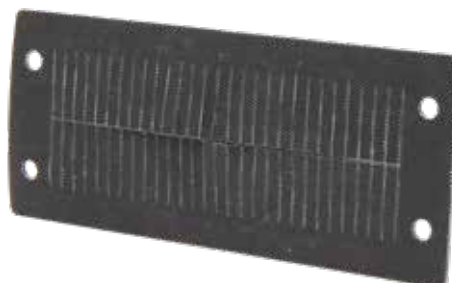
GKD intumescent gaskets series are used with DES, DES 24M frames to provide fire protection barrier according to EN 1363-1 and EN 45545-3.

They are made of a flexible, intumescent material that expands under pressure with thermal influence. In the event of a fire, the gasket becomes a solid foam which creates a pressure resistant wall.

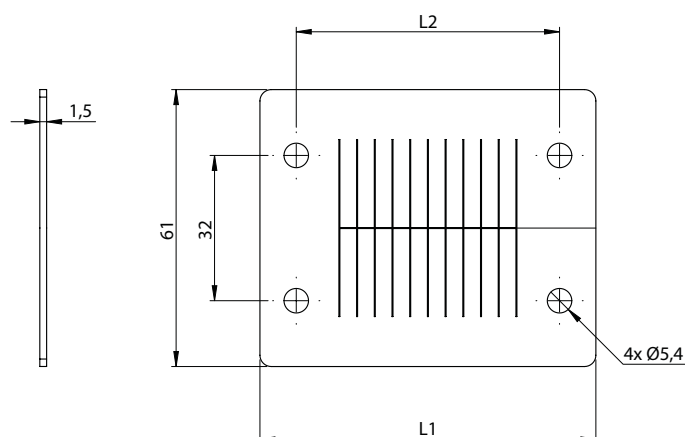
Material: graphite-based intumescent material



Model	Code	Dimensions (mm)		Pcs (/pack)
		L1	L2	
GKD-24	1734080824	146	130	1
GKD-16	1734080816	120	103	
GKD-10	1734080810	99	33	
GKD-Q	1734080808	74	58	



Dimensions (mm)





HY360

Hydraulic punch driver for round and rectangular cut-outs

FEATURES

- Hand punch driver with rotating 360° head
- Thanks to its low weight, the punch driver can be used by one person only
- The punch driver produces a hydraulic power of 120 kN and can be used for stainless steel walls with a maximum thickness of 1,5 mm (2,5 mm for other materials)
- All the available punches are compatible with our products

Material: Aluminum alloy, steel punches

Hydraulic power: 120 kN

Weight: 2,5 kg



Model	Description	Code	Dimensions (mm)	Pcs (/pack)
HY360	Hydraulic punch driver HY360	1736010100		1
PNZ 24	Rectangular punch for DES 24 / DES PM 24 / DES PDM 24	1736010023	112 x 36	
PNZ 16	Rectangular punch for DES 16	1736010016	86 x 39	
PNZ 10	Rectangular punch for DES 10	1736010010	63 x 39	
PNZ 08	Rectangular punch for DES Q	1736010008	40 x 39	
PNZ 02	Rectangular punch for DES L2	1736010002	40 x 22	
PNZ 03	Rectangular punch for DES L3	1736010003	63 x 22	
PNZ 04	Rectangular punch for DES L4	1736010004	86 x 22	
PNZ 05	Rectangular punch for DES L5	1736010005	108 x 22	
PNZ 108	Rectangular punch for DES PDM Q	1736010108	46 x 46	
PNZ 22	Round punch M22	1736010022	Ø 22.5	
PNZ 25	Round punch M25	1736010025	Ø 25.5	
PNZ 32	Round punch M32	1736010032	Ø 32.5	
PNZ 40	Round punch M40	1736010040	Ø 40.5	
PNZ 50	Round punch M50	1736010050	Ø 50.5	
PNZ 63	Round punch M63	1736010063	Ø 63.5	

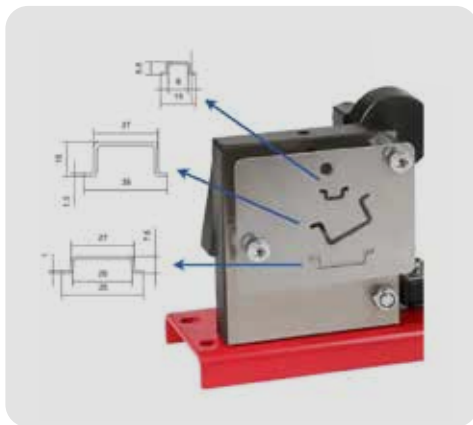


FEATURES

- Cut 3 different types of rail
- No deburring necessary, clean cuts
- Fast, accurate Cuts
- Integrated measuring gauge 50cm
- Cost effective

The TG114 is a cost-effective solution to quickly cut different models of DIN rails. It works with TH35, TH15. It includes a dimensional gauge for the accurate cutting of the rail.

Material: Painted zinc, plated steel



Model	Code	Dimensions (mm)	Pcs (/pack)
DIN Rail Cutter TG114	1736010105	670x120x150	1



FEATURES

- Compatible with Rittal AE cabinets
- Type 16 and 24 holes

The PF adapter plates are compatible with Rittal cabinets and are equipped with 24 and 16 poles heavy connectors opening. They are fixed with screws and can be provided according to the quantity of the frames that need to be installed in the cabinet.

Material: Painted zinc plated steel

RELATED PRODUCTS

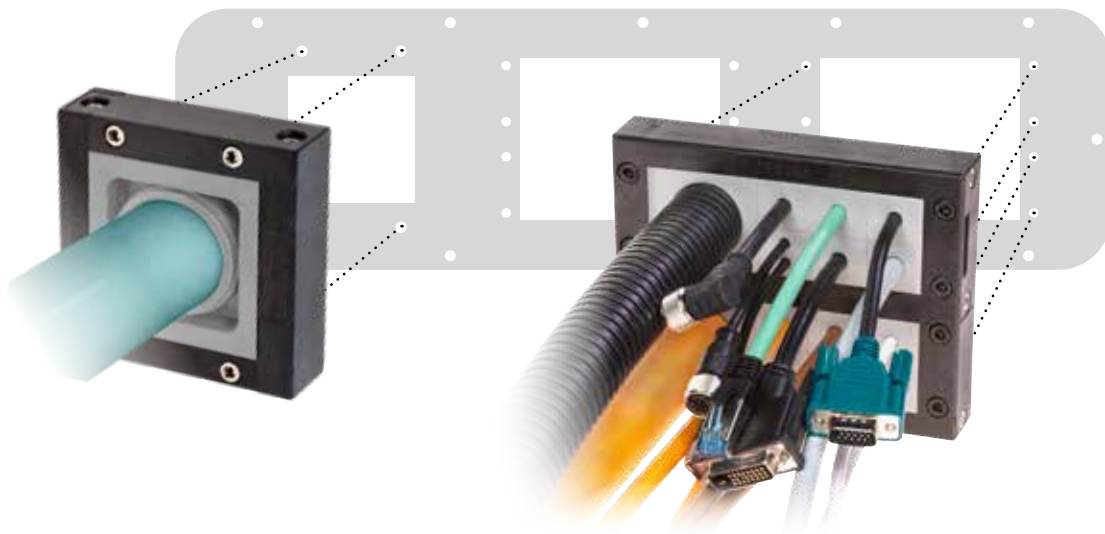
- DES 24
- DES 16
- DES PDM 24
- DES FLAP
- DES COVER
- DES Z
- DES ZZ



Model	Code	Dimensions (mm)	Appearance	Type	Pcs (/pack)
PF 2	1736020020	330 x 90 x 2,5		2 x 24	1
PF 3	1736020030	339 x 149 x 2,5		2 x 24	
PF 4	1736020040	339 x 149 x 2,5		4 x 24	
PF 5	1736020050	534 x 149 x 2,5		4 x 16	
PF 6	1736020060	534 x 149 x 2,5		3 x 24	
PF 7	1736020070	534 x 149 x 2,5		6 x 24	



Cable entry system adapter plates



FEATURES

- Compatible with Rittal AE cabinets
- Holes for DES 24MX and DES 380

The PFD cable entry system adapter plates are compatible with AE Rittal cabinets and can be equipped with DES 24MX and DES 380M splittable frames.

Material: Painted zinc plated steel

RELATED PRODUCTS

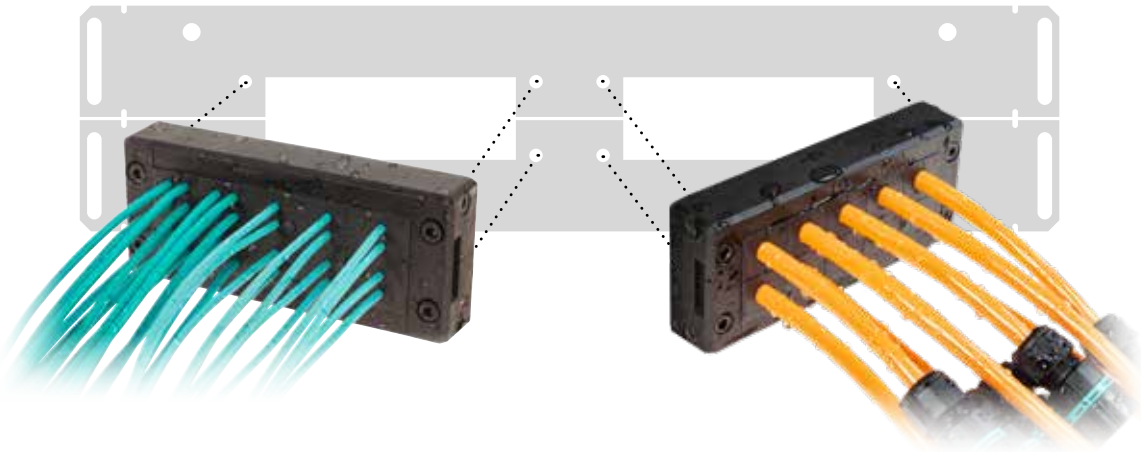
- DES 24 MX2
- DES 380M
- DES 380MX3

Model	Code	Dimensions (mm)	Appearance	Type	Pcs (/pack)
PFD1	1736020080	339 x 149 x 2,5		2x DES 24MX2	1
PFD2	1736020090	339 x 149 x 2,5		1x DES 380M 1x DES 24MX2	
PFD3	1736020100	339 x 149 x 2,5		1x DES 380MX3	
PFD4	1736020110	534 x 149 x 2,5		3x DES 24MX2	
PFD5	1736020120	534 x 149 x 2,5		1x DES 380M 2x DES 24MX2	
PFD6	1736020130	534 x 149 x 2,5		1x DES 380MX3 1x DES 24MX2	



PFX

Splittable cable entry adapter plates



FEATURES

- Compatible with Rittal VX 25 cabinets
- Type 24 cut-out
- Threaded hole for quick mounting of cable entry systems

The PFX adapter plates are compatible with Rittal cabinets and are equipped with 24 holes connectors.

After they are placed on the bottom panel, the cable entry systems can be mounted thanks to the threaded holes.

The overmolded gasket on DES series guarantees faster installation times.

Material: Painted zinc plated steel

RELATED PRODUCTS

- DES 24
- DES PDM 24
- DES FLAP 24
- DES COVER 24
- DES Z 24
- DES ZZ 24

Model	Code	Dimensions (mm)	Hole distance (mm)	Appearance	Pcs (/pack)
PFX-600	1736020600	488 x 150 x 1,5	475		1
PFX-800	1736020800	688 x 150 x 1,5	675		1
PFX-1000-2*	1736021000	876 x 150 x 1,5	425		2

* for double door models.

Brushes for Rittal cabinets

FEATURES

- Snap-in assembly
- Compatible with Rittal cabinets
- For metal sheets with thickness from 1 to 2 mm
- Customizations upon small quantity
- The brushes allow the passage of a high number of cables

The SQZ brushes are compatible with the main models of Rittal cabinets.

Cables can come out throughout the length of the bottom panel.

Easy snap-in assembly.

For metal sheets with thickness from 1 to 2 mm.

Material: PA, halogens and silicones free

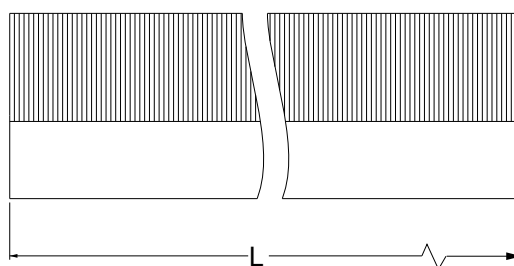
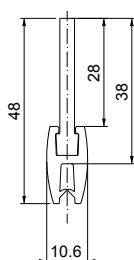
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -25°C... +80°C (static)



Model	Code	Length L (mm)	Pcs (/pack)
SQZ 600	1736030006	600	1
SQZ 800	1736030008	800	
SQZ 1000	1736030010	1000	
SQZ 1200	1736030012	1200	

Dimensions (mm)





DEMOBOX DELUXE

DemoBox for DetasUltra products

FEATURES

- Updated with the latest products
- Dedicated to customers and distributors: it shows the quality and the variety of the DetasUltra solutions



Model	Code	Dimensions (mm)	Pcs (/pack)
DemoBox Deluxe	1736999840	460 x 360 x 90	1

Box content

Model	Pcs	Model	Pcs
Splittable frames	3	Closing plate	1
Splittable cable glands	4	Cable entry plates without internal frame	5
Splittable frames with brush	2	Cable entry plates with internal frame	5
SPP single grommets	10	Strain relief modules	3
SPP multiple grommets	4	Shield clamps	5
SPG large grommets	2	M5 screwdriver	1
Snap-in connection	1	DetasUltra gadgets	

GROUP 7

FRAMES AND PLATES ATEX
Zone 2 and 22





DES ATEX



Splittable frames for cables with and without connectors



The DES cable entry system consists of a splittable frame designed to accommodate small (SPP), multiple (X) or large (SPG) grommets for cables with and without connectors. The grommets can be freely positioned into the frame. The overmolded gasket guarantees faster installation times and the complete V0 self-extinguishing feature of the system. **DES ATEX series can be used in zone 2 and 22.**

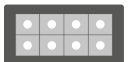
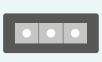
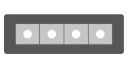
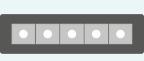
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

- SPP A (page 172)
- SPG A (page 173)
- SPP PA (page 184)
- SPG PA (page 185)
- HY360 hydraulic punch driver (page 162)
- PF cable entry system plates (page 164)

Model	Code	Dimensions (mm)	Max. cut-out (mm)	Pcs (/pack)
DES 24A	1731310024	 146 x 61	112 x 39	1
DES 16A	1731310016	 120 x 61	86 x 39	
DES 10A	1731310010	 99 x 61	63 x 39	
DES QA	1731310008	 74 x 61	40 x 39	
DES L1A	1731310001	 54,3 x 41	21 x 18	
DES L2A	1731310002	 74 x 41	40 x 18	
DES L3A	1731310003	 99 x 41	63 x 18	
DES L4A	1731310004	 120 x 41	86 x 18	
DES L5A	1731310005	 146 x 41	112 x 18	
Upon request	1731991020	Set of 4 mounting screws in AISI304 with Black Geomet finishing		10

* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB

UL94-V0



RoHS COMPLIANT

IK10





DESPRED ATEX

Divisible cable glands with locknut



FEATURES

- Frame screws in AISI304 Stainless Steel with Black Geomet finishing
- M25, M32 and M63 metric sizes
- IP66 and Nema 4X* certified
- Strain relief according to EN 62444
- Sturdy construction IK10
- Integrated gasket

The DESPRED series are divisible cable glands for metric threads.

The 63 model can be used with small, multiple and large grommets for cables up to 34 mm diameter. With multiple grommets it is possible to accommodate up to 16 cables. Future cable size changes can also be easily accommodated using various grommets.

DESPRED ATEX series can be used in zone 2 and 22.

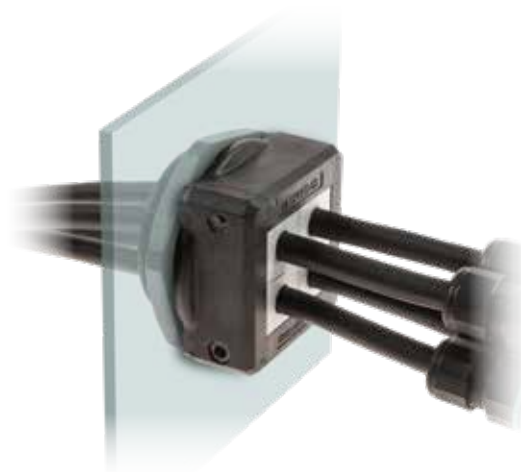
Material: PP+GF, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +155°C (static)

RELATED PRODUCTS

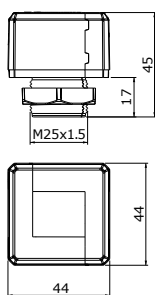
- SPP A (page 172)
- SPG A (page 173)
- SPP PA (page 184)
- SPG PA (page 185))
- HY360 hydraulic punch driver (page 164)
- Divisible locknuts (page 41)
- EMCZ M (page 150)



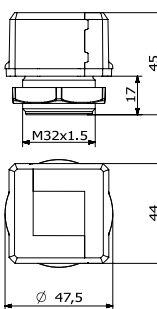
Model	Code	Some possible configurations	Cut-out Ø (mm)	Pcs (/pack)
DESPRED 25A	1731350025		25,5	1
DESPRED 32A	1731350032		32,5	
DESPRED 63A	1731350063		63,5	

Dimensions (mm)

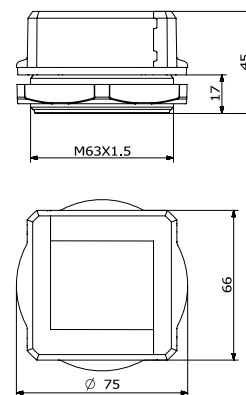
DESPRED 25A



DESPRED 32A



DESPRED 63A



* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB



IK10





SPP ATEX



DES grommets – small: single, double and quadruple



FEATURES

- Grommets for cables from 2 to 17 mm diameter
- “Blind” version available
- Grey and black colours available
- UL94-V0 for both colours

The SPP grommets enable several cables from 2 to 17 mm diameter to be installed in the DES splittable frame.

The 2X and 4X* versions allow multiple cables in the same grommet.

SPP ATEX series can be used in zone 2 and 22.

Material: TPE, halogens and silicones free

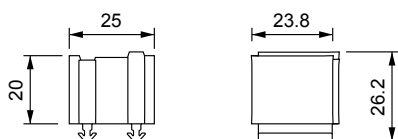
Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24 A
- DES 16 A
- DES 10 A
- DES Q A
- DES L1 A
- DES L2 A
- DES L3 A
- DES L4 A
- DES L5 A
- DESPRED A

Dimensions (mm)



* Indoor only

Model	Code	Ø Cable (mm)	Model	Code	Pcs (/pack)
 					
SPP 0GA	1731320100	“Blind”	SPP 0BA	1731320200	1
SPP 2GA	1731320102	2-3	SPP 2BA	1731320202	
SPP 3GA	1731320103	3-4	SPP 3BA	1731320203	
SPP 4GA	1731320104	4-5	SPP 4BA	1731320204	
SPP 5GA	1731320105	5-6	SPP 5BA	1731320205	
SPP 6GA	1731320106	6-7	SPP 6BA	1731320206	
SPP 7GA	1731320107	7-8	SPP 7BA	1731320207	
SPP 8GA	1731320108	8-9	SPP 8BA	1731320208	
SPP 9GA	1731320109	9-10	SPP 9BA	1731320209	
SPP 10GA	1731320110	10-11	SPP 10BA	1731320210	
SPP 11GA	1731320111	11-12	SPP 11BA	1731320211	
SPP 12GA	1731320112	12-13	SPP 12BA	1731320212	
SPP 13GA	1731320113	13-14	SPP 13BA	1731320213	
SPP 14GA	1731320114	14-15	SPP 14BA	1731320214	
SPP 15GA	1731320115	15-16	SPP 15BA	1731320215	
SPP 16GA	1731320116	16-17	SPP 16BA	1731320216	
 					
SPP 2x2GA	1731320304	2 x 2	SPP 2x2BA	1731320404	1
SPP 2x3GA	1731320306	2 x 3	SPP 2x3BA	1731320406	
SPP 2x4GA	1731320308	2 x 4	SPP 2x4BA	1731320408	
SPP 2x5GA	1731320310	2 x 5	SPP 2x5BA	1731320410	
SPP 2x6GA	1731320312	2 x 6	SPP 2x6BA	1731320412	
SPP 2x7GA	1731320314	2 x 7	SPP 2x7BA	1731320414	
SPP 2x8GA	1731320316	2 x 8	SPP 2x6BA	1731320416	
 					
SPP 4x2GA	1731320318	4 x 2	SPP 4x2BA	1731320418	1
SPP 4x3GA	1731320320	4 x 3	SPP 4x3BA	1731320420	
SPP 4x4GA	1731320322	4 x 4	SPP 4x4BA	1731320422	
SPP 4x5GA	1731320324	4 x 5	SPP 4x5BA	1731320424	
SPP 4x6GA	1731320326	4 x 6	SPP 4x6BA	1731320426	



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB

UL94-V0



RoHS COMPLIANT





SPG ATEX

DES grommets - large



FEATURES

- Grommets for cables with and without connectors or for corrugated conduits from 17 to 35 mm diameter
- 2 blind versions available
- UL94-V0 for both grey and black

The SPG grommets are designed for cables with or without connectors or for corrugated conduits with diameter from 17 to 35mm.

SPG ATEX series can be used in zone 2 and 22.

Material: TPE, halogens and silicones free

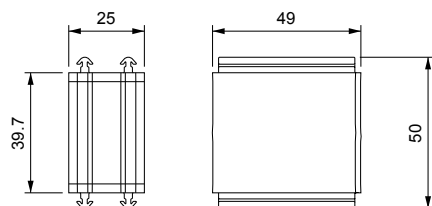
Flammability: self-extinguishing acc. to UL94-V0 (grey or black)

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- DES 24 A • DES Q A
- DES 16 A • DESPRED A
- DES 10 A

Dimensions (mm)



* Indoor only

Model	Code	Ø Cable min/max (mm)	Model	Code	Pcs (/pack)
SPG 0GA	1731322000	"Blind"	SPG 0BA	1731322020	1
SPG 17GA	1731322117	17-18	SPG 17BA	1731322217	
SPG 18GA	1731322118	18-19	SPG 18BA	1731322218	
SPG 19GA	1731322119	19-20	SPG 19BA	1731322219	
SPG 20GA	1731322120	20-21	SPG 20BA	1731322220	
SPG 21GA	1731322121	21-22	SPG 21BA	1731322221	
SPG 22GA	1731322122	22-23	SPG 22BA	1731322222	
SPG 23GA	1731322123	23-24	SPG 23BA	1731322223	
SPG 24GA	1731322124	24-25	SPG 24BA	1731322224	
SPG 25GA	1731322125	25-26	SPG 25BA	1731322225	
SPG 26GA	1731322126	26-27	SPG 26BA	1731322226	
SPG 27GA	1731322127	27-28	SPG 27BA	1731322227	
SPG 28GA	1731322128	28-29	SPG 28BA	1731322228	
SPG 29GA	1731322129	29-30	SPG 29BA	1731322229	
SPG 30GA	1731322130	30-31	SPG 30BA	1731322230	
SPG 31GA	1731322131	31-32	SPG 31BA	1731322231	
SPG 32GA	1731322132	32-33	SPG 32BA	1731322232	
SPG 33GA	1731322133	33-34	SPG 33BA	1731322233	
SPG 34GA	1731322134	34-35	SPG 34BA	1731322234	



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB





DES PDM 24 ATEX

Cable entry plates with internal frame and double membrane



FEATURES

- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Cost efficient solution
- IP66 and Nema 4X* certified
- ATEX version on request (see group 7)
- Threaded inserts version on request

The DES PDM 24 is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

DES PDM 24 ATEX series can be used in zone 2 and 22.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

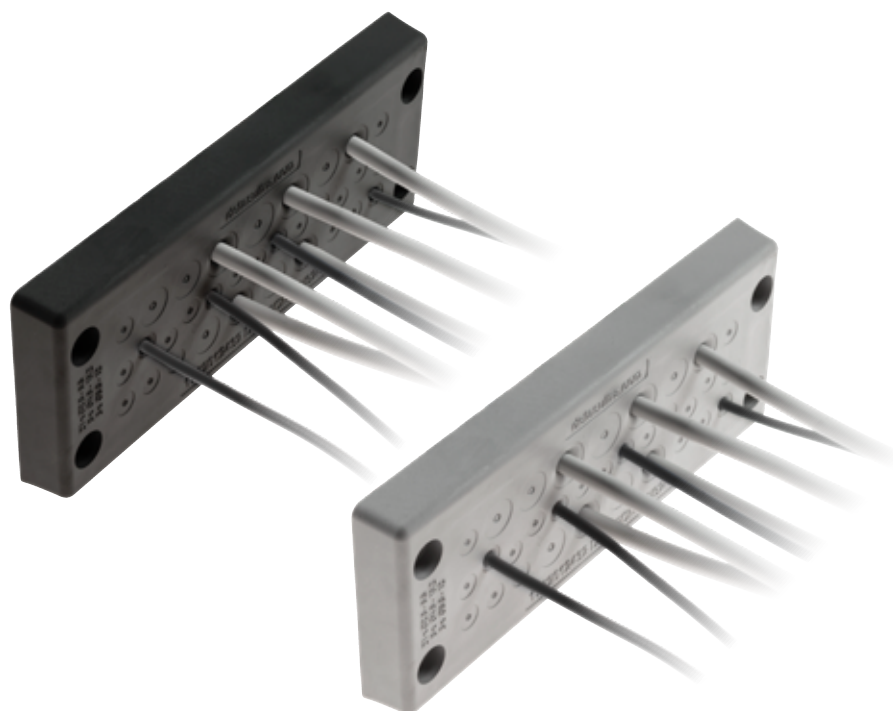
Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

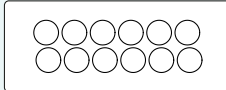
- IFP plugs (page 101)
- DES PDM caps (page 101)
- HY360 hydraulic punch driver (page 162)
- PF/PFX cable entry system plates (from page 164)
- EMCZ (page 150)

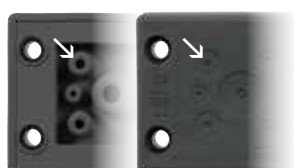
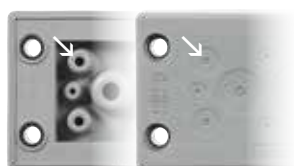
NC: Number of cables

ØC: Diameter of cables - min/max (mm)



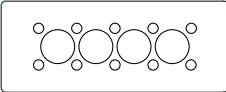
Model	Code
● DES PDM 24A/3G	1732312403
● DES PDM 24A/3B	1732313403
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC 3
	ØC 18 / 26

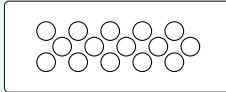
Model	Code
● DES PDM 24A/12G	1732312412
● DES PDM 24A/12B	1732313412
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC 12
	ØC 9 / 16



Double parallel membrane

* Indoor only

Model	Code
● DES PDM 24A/14G	1732312414
● DES PDM 24A/14B	1732313414
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC 10
	ØC 2,8 / 6,5
	4 14,5 / 22

Model	Code
● DES PDM 24A/15G	1732312415
● DES PDM 24A/15B	1732313415
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC 15
	ØC 6,8 / 12



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB



RoHS COMPLIANT

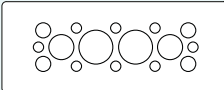


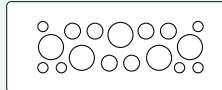


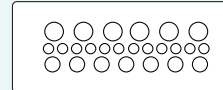
DES PDM 24 ATEX

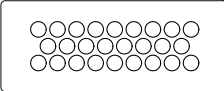


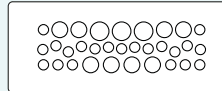
Cable entry plates with internal frame and double membrane

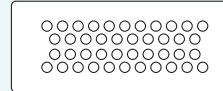
Model	Code
● DES PDM 24A/16G	1732312416
● DES PDM 24A/16B	1732313416
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	8 2,8 / 6,5
	4 4,4 / 9,7
	2 8,6 / 16,2
	2 14,5 / 22

Model	Code
● DES PDM 24A/17G	1732312417
● DES PDM 24A/17B	1732313417
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	6 2,8 / 6,5
	6 4,6 / 10,2
	5 8,6 / 16,2

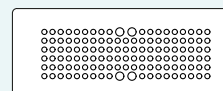
Model	Code
● DES PDM 24A/25G	1732312425
● DES PDM 24A/25B	1732313425
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	12 2,8 / 6,5
	7 4,4 / 9,7
	6 6,8 / 12

Model	Code
● DES PDM 24A/26G	1732312426
● DES PDM 24A/26B	1732313426
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	26 4,6 / 10

Model	Code
● DES PDM 24A/32G	1732312432
● DES PDM 24A/32B	1732313432
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	21 2,8 / 6,5
	8 4,6 / 10,2
	3 6,8 / 12

Model	Code
● DES PDM 24A/42G	1732312442
● DES PDM 24A/42B	1732313442
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	42 2,8 / 6,5

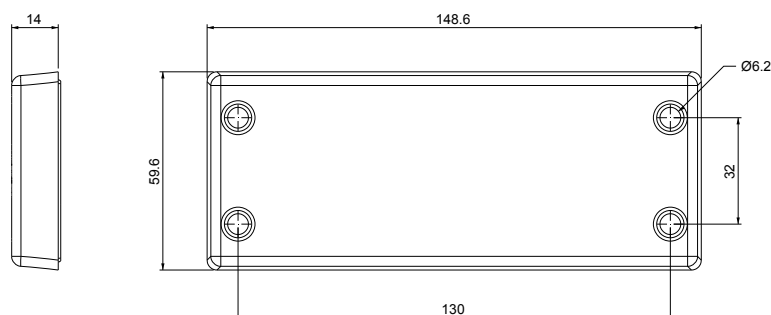


Model	Code
● DES PDM 24A/124G	1732312445
Cut-out / Plate (mm)	Pcs/pack
112 x 36 / 148,6 x 59,6	1
	NC ØC
	120 1,75 / 4,7
	4 2,3 / 6



* Indoor only

Dimensions (mm)



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB



RoHS
COMPLIANT





DES PDM S ATEX

Cable entry plates with internal frame and double membrane



FEATURES

- For a large number of cables in a limited space
- High strain relief thanks to the double membrane
- Cost efficient solution
- High IP grade (IP66)
- Threaded inserts version on request

The DES PDM S is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

DES PDM S ATEX series can be used in zone 2 and 22.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- DES PDM caps (page 101)



Double parallel membrane



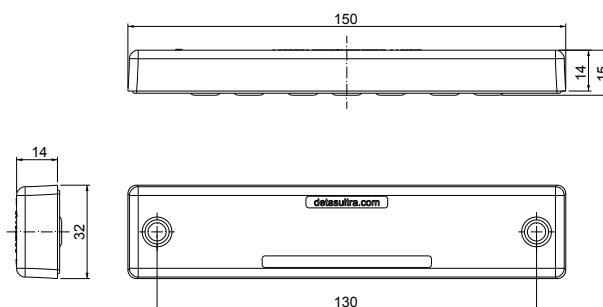
Model	Code			
 DES PDM S 112A/7G	1732321127		NC 7	
 DES PDM S 112A/7B	1732322127			
		ØC 6,8 / 12		
Cut-out / Plate (mm)	Pcs/pack			
112 x 18 / 150 x 32	1			

Model	Code			
● DES PDM S 112A/22G	1732321122	○○		

NC: Number of cables

ØC: Diameter of cables - min/max (mm)

Dimensions (mm)



IP66

NEMA
12

UL TYPE
12



ECOLAB



RoHS
COMPLIANT





DES PDM Q ATEX

Cable entry plates with internal frame and double membrane



FEATURES

- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Cost efficient solution
- IP66 and Nema 4X* certified
- Threaded inserts version on request

The DES PDM Q is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

DES PDM Q ATEX series can be used in zone 2 and 22.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

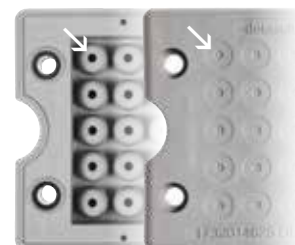
- IFP plugs (page 101)
- DES PDM caps (page 101)
- HY360 hydraulic punch driver (page 162)
- EMCZ (page 150)

NC: Number of cables

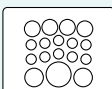
ØC: Diameter of cables – min/max (mm)



Double parallel membrane

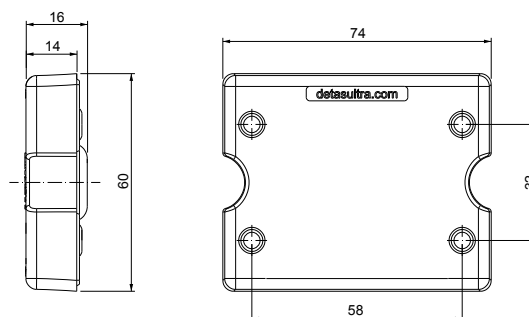


Model	Code		NC	ØC
 DES PDM Q 13GA	1732314613		8	2,8 / 6,5
 DES PDM Q 13BA	1732315614		4	4,6 / 10,2
Cut-out / Plate (mm)			1	14,5 / 22
46 x 46 / 74 x 60			Pcs/pack	
		1		

Model	Code		NC	ØC
DES PDM Q 17GA	1732314617		10	2,8 / 6,5
DES PDM Q 17BA	1732315618		4	4,6 / 10,2
Cut-out / Plate (mm)			2	6,8 / 12
			1	8,6 / 16,2
46 x 46 / 74 x 60		Pcs/pack		
		1		

Model	Code		NC	ØC
 DES PDM Q 25GA	1732314625		25	
 DES PDM Q 25BA	1732315626			
Cut-out / Plate (mm)				
46 x 46 / 74 x 60		Pcs/pack		
1				

Dimensions (mm)



* Indoor only



IP66

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB



RoHS
COMPLIANT





DES PDMU ATEX



Round cable entry grommet for single cable - internal frame and double membrane

FEATURES

- Metric sized
- High retaining force thanks to the double membrane
- Cost efficient solution
- High IP grade (IP66) Nema 4X*
- Recommended tightening torque 8 Nm

The cable entry grommets of the PDMU series are used as an alternative to cable glands. They use the metric holes on cabinets or machinery and the nutlock guarantees a strong strain relief and highest water and dust protection.

The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

DES PDMU ATEX series can be used in zone 2 and 22.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)

Double parallel membrane



* Indoor only

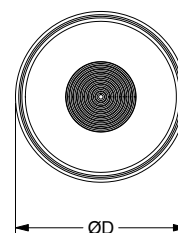
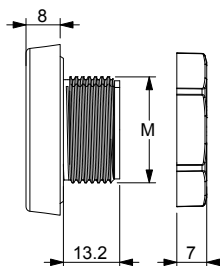


Model	Code	Nr. Cables	Ø max (mm)	Thread	Dimensions (mm)		Pcs (/pack)
					Cut-out	ØD	

DES PDMU 20GA	1732330120	1	10,5	M20	20,5	36	1
DES PDMU 25GA	1732330125	1	16	M25	25,5	40	
DES PDMU 32GA	1732330132	1	22	M32	32,5	46	

DES PDMU 20BA	1732331120	1	10,5	M20	20,5	36	1
DES PDMU 25BA	1732331125	1	16	M25	25,5	40	
DES PDMU 32BA	1732331132	1	22	M32	32,5	46	

Dimensions (mm)



IP66

up to
NEMA
12, 4X*

UL TYPE
12, 4X



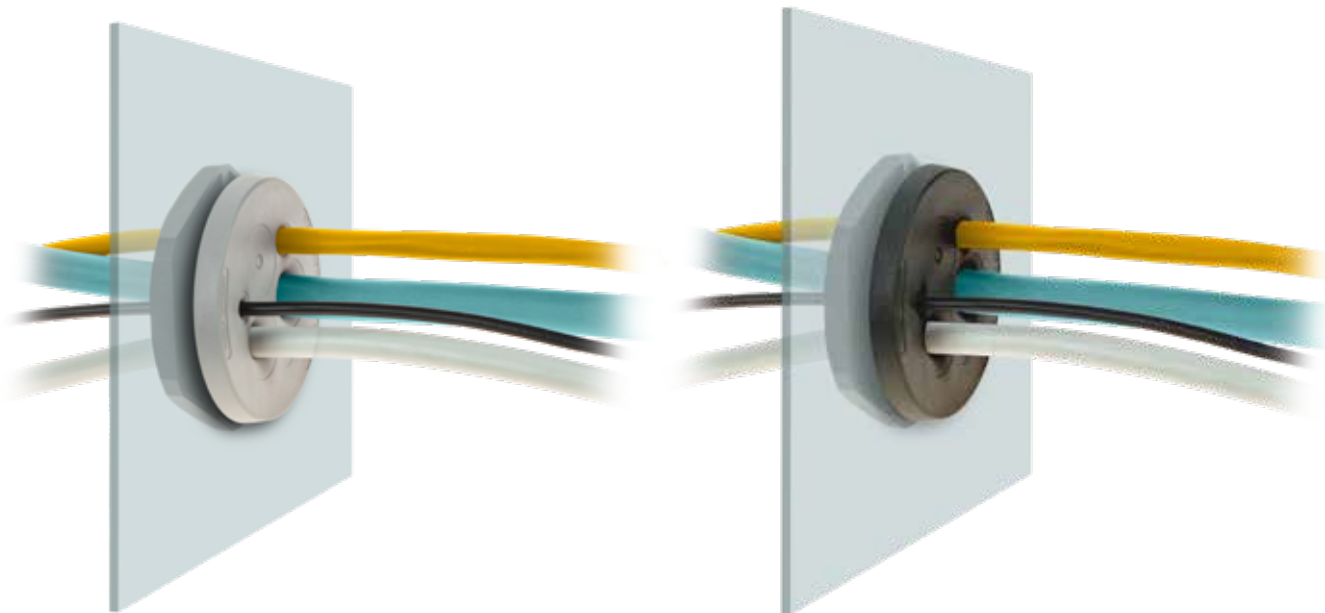
ECOLAB





DES PDM M ATEX

Round cable entry plates with internal frame
and double membrane



FEATURES

- For a large number of cables without connectors
- High strain relief thanks to the double membrane
- Cost efficient solution
- High IP grade IP66-68 Nema 4X*

The cable entry plates of the DES PDM M series are used to save space and time as alternative to cable glands. They use the metric holes on cabinets or machinery and the double membrane guarantees a high strain relief and water and dust protection. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.

DES PDM M ATEX series can be used in zone 2 and 22.

NC: Number Cables

ØC: Diameter Cables - min / max (mm)

Model		Code	
 DES PDM M20A/2G	1732332002		
 DES PDM M20A/2B	1732333005		
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M20	36	7	1
		NC 2	ØC 2 / 5,5

Model		Code	
	DES PDM M20A/3G	1732332003	
	DES PDM M20A/3G	1732333006	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M20	36	7	1
		NC	ØC
		3	2 / 5

Model		Code	
	DES PDM M20A/4G	1732332004	
	DES PDM M20A/4G	1732333007	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M20	36	7	1
		NC	ØC
		4	2 / 4,5

Model		Code	
	DES PDM M25A/4G	1732333104	
	DES PDM M25A/4B	1732333504	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M25	41	7	1
		NC	ØC
		3	2,6 / 6,5
		1	5,5 / 12,5

* Indoor only



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X



ECOLAB





DES PDM M ATEX



Round cable entry plates with internal frame
and double membrane

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing
acc. to UL94-V0

Temperature: -40°C... +105°C (static)

RELATED PRODUCTS

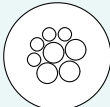
- IFP plugs (page 101)
- HY360 hydraulic punch driver (page 162)
- EMCZ M (page 151)

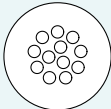
Model		Code	
	DES PDM M25A/6G	1732333506	
	DES PDM M25A/6B	1732333507	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M25	41	7	1
		NC	ØC
		6	2,2 / 5

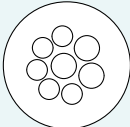
Model		Code	
	DES PDM M32A/4G	1732333204	
	DES PDM M32A/4B	1732334205	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	46	7	1
		NC	ØC
		3	2,6 / 6,5
		1	5,5 / 12,5

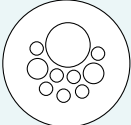
Model		Code	
●	DES PDM M32A/4-2G	1732333242	
●	DES PDM M32A/4-2B	1732334252	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	46	7	1
			
		NC	ØC
		4	3,5 / 8,8

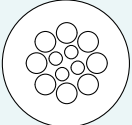
Modello		Code	
	DES PDM M32A/7G	1732333207	
	DES PDM M32A/7B	1732334208	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M32	46	7	1
			
		NC	ØC
		7	2,6 / 6,5

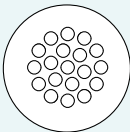
Model		Code	
	DES PDM M40A/8G	1732334008	
	DES PDM M40A/8B	1732335009	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M40	54	7	1
		NC	ØC
		4	2,6 / 6,5
		4	4 / 10,2

Model		Code	
●	DES PDM M40A/12G	1732334012	
●	DES PDM M40A/12B	1732335007	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M40	54	7	1
		NC	ØC
		12	2 / 6

Model		Code	
●	DES PDM M50A/8G	1732335008	
●	DES PDM M50A/8B	1732336009	
M × 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	1
			
		NC	ØC
		5	4,6 / 10,2
		3	6,8 / 12,5

Model		Code	
●	DES PDM M50/10G	1732335010	
●	DES PDM M50/10B	1732336011	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	1
			
		NC	ØC
		7	2,8 / 6,5
		2	4,6 / 10,2
		1	14,5 / 22

Model		Code	
●	DES PDM M50/12G	1732335012	
●	DES PDM M50/12B	1732336013	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	1
		NC	ØC
		4	2,8 / 6,5
		8	4,6 / 10,2

Model		Code	
	DES PDM M50/19G	1732335019	
	DES PDM M50/19B	1732336020	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M50	64	8,5	1
			
		NC	ØC
		19	2,8 / 6,5



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X

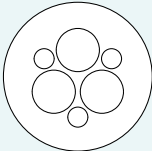


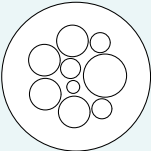


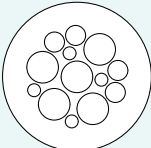
DES PDM M ATEX

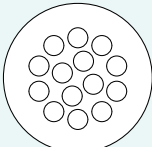


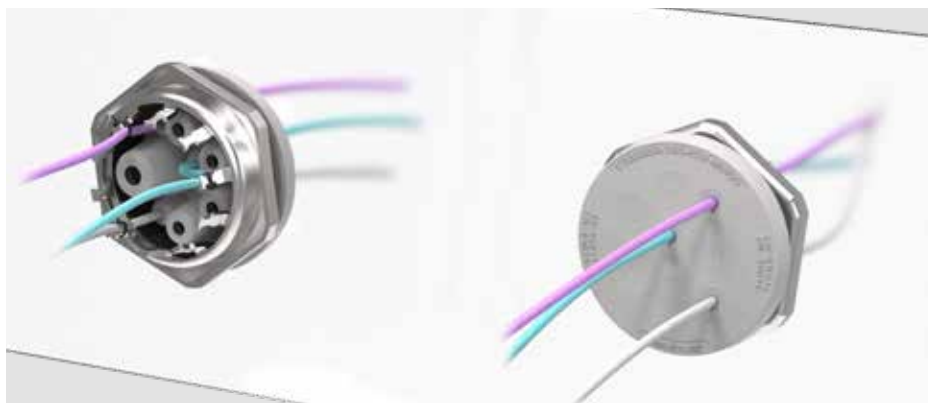
Round cable entry plates with internal frame
and double membrane

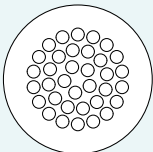
Model		Code	
	DES PDM M63A/6G	1732336306	
	DES PDM M63A/6B	1732337307	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	1
		NC	ØC
		3	4,6 / 10,2
		3	10,9 / 20

Model		Code	
	DES PDM M63A/9G	1732336309	
	DES PDM M63A/9B	1732337310	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	1
		NC	ØC
		1	2,6 / 6
		3	4,6 / 10,2
		4	8,6 / 16,2
		1	10,9 / 20

Model		Code	
●	DES PDM M63A/13G	1732336313	
●	DES PDM M63A/13B	1732337314	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	1
		NC	ØC
		4	2,8 / 6
		4	4,6 / 10,2
		5	9,5 / 16,2

Model		Code	
●	DES PDM M63A/14G	1732336314	
●	DES PDM M63A/14B	1732337315	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	1
		NC	ØC
		14	5 / 10

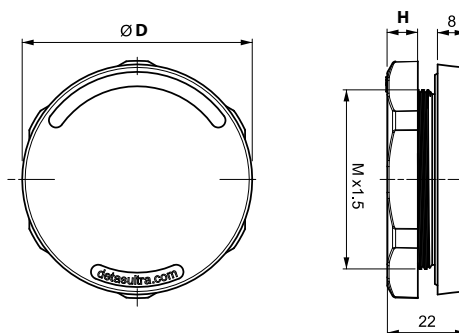


Model		Code	
●	DES PDM M63A/35G	1732336335	
●	DES PDM M63A/35B	1732337336	
M x 1,5	ØD (mm)	H (mm)	Pcs/pack
M63	77	8,5	1
		NC	ØC
		35	2,6 / 5,5



Double parallel membrane

Dimensions (mm)



Recommended tightening torque 8 Nm



IP66
IP68

NEMA
12, 4X*

UL TYPE
12, 4X





DES PDP ATEX



Round base, cone-shaped cable entry grommets with locknut

FEATURES

- For diameters from 2,5 to 64 mm
- Reinforced base plate
- Cost efficient solution
- UL94-V0 for grey and black

The DES PDP is available in M25, M32, M40, M50, M63 and M75 sizes and it allows non-terminated cables with diameter from 2,5 to 64 mm to pass through the walls of the electrical cabinets.

The reinforced base plate increases the stability when large cables are used.

DES PDP ATEX series can be used in zone 2 and 22.

Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

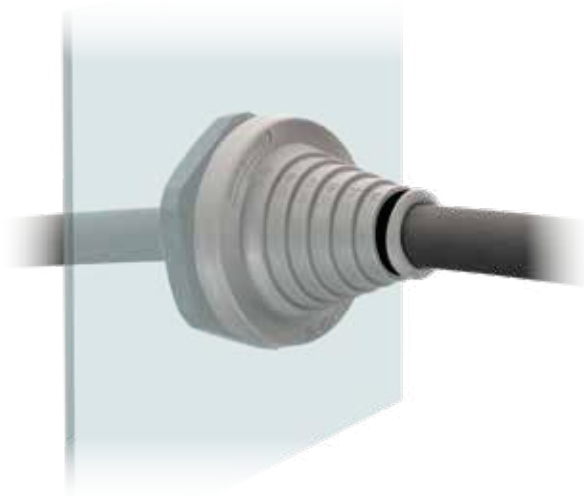
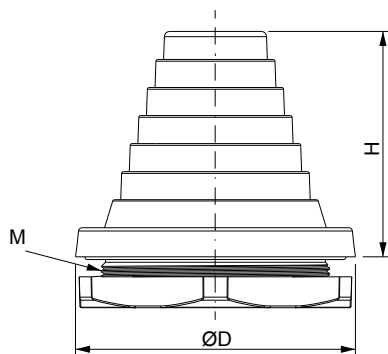
Temperature: -40°C... +110°C (static)

RELATED PRODUCTS

- HY360 hydraulic punch driver (page 162)



Dimensions (mm)



Model	Code	Nr. Cables	Ø Cable min/max (mm)	M	Dimensions (mm)			Pcs x conf.
					Cut-out	ØD	H	
DES PDP 25GA	1732350025	1	2,5 / 17	M25 x 1,5	25,5	39	46.5	1
DES PDP 32GA	1732350032	1	5 / 23	M32 x 1,5	32,5	46	55.2	
DES PDP 40GA	1732350040	1	8 / 29	M40 x 1,5	40,5	54	62	
DES PDP 50GA	1732350050	1	17 / 42	M50 x 1,5	50,5	64	50	
DES PDP 63GA	1732350063	1	23 / 55	M63 x 1,5	63,5	77	62	
DES PDP 75GA	1732350075	1	38 / 64	M75 x 2	75,5	89	64	

Model	Code	Nr. Cables	Ø Cable min/max (mm)	M	Dimensions (mm)			Pcs x conf.
					Cut-out	ØD	H	
DES PDP 25BA	1732352025	1	2,5 / 17	M25 x 1,5	25,5	39	46.5	1
DES PDP 32BA	1732352032	1	5 / 23	M32 x 1,5	32,5	46	55.2	
DES PDP 40BA	1732352040	1	8 / 29	M40 x 1,5	40,5	54	62	
DES PDP 50BA	1732352050	1	17 / 42	M50 x 1,5	50,5	64	50	
DES PDP 63BA	1732352063	1	23 / 55	M63 x 1,5	63,5	77	62	
DES PDP 75BA	1732352075	1	38 / 64	M75 x 2	75,5	89	64	



up to IP66

up to NEMA 12

UL TYPE 12



ECOLAB



FEATURES

- For diameters from 23 to 64 mm
- Reinforcing base plate
- Cost efficient solution
- UL94-V0 for grey and black

The DES PDPS ATEX is available in two sizes, enabling non-terminated cables with diameter from 23 to 64 mm to pass through the walls of the electrical cabinets. The PDPS is installed from the front, without the need to screw the nut from the internal side of the wall. The reinforced base plate increases the stability when large cables are used.

DES PDPS ATEX series can be used in zone 2 and 22.

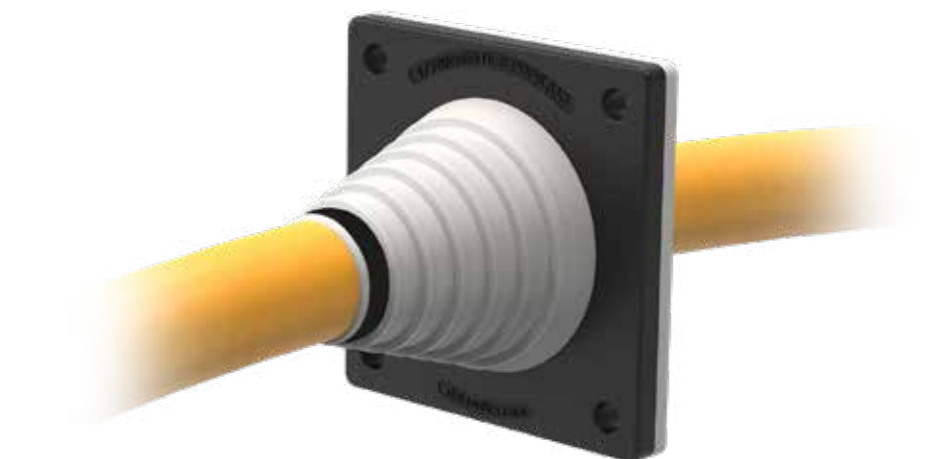
Material: TPE+PA, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

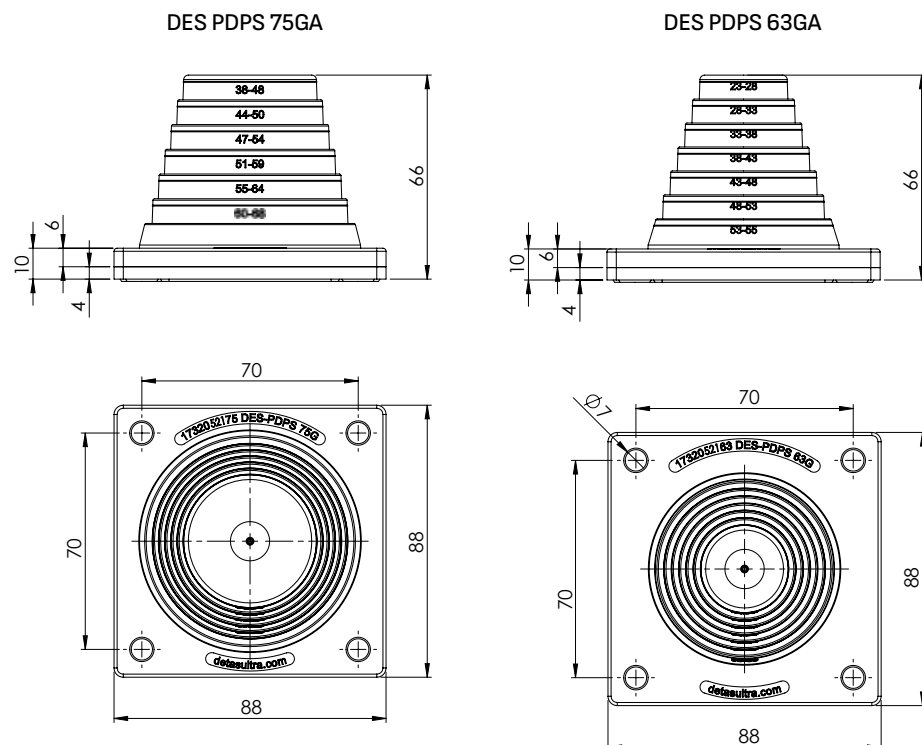
RELATED PRODUCTS

- HY360 hydraulic punch driver (page 162)



Model	Code	Nr. Cables	Ø Cable min/max (mm)	Ø Hole (mm)	Dimensions (mm)		Pcs x conf.
					Base	Height	
DES PDPS 63GA	1732352080	1	23 / 55	max 63,5	88 x 88	66	10
DES PDPS 75GA	1732352090	1	38 / 64	max 75,5	88 x 88	66	

Dimensions (mm)





SPP P ATEX



SPP multi-range grommets with pyramidal shape

FEATURES

- Universal solution for cables without connectors from 3 to 14mm diameter
- Can be used on all DES Frames and divisible cable glands
- IP66
- UL94-V0 for both grey and black colors



The SPP P ATEX grommets are suitable for cables without connectors. They are used cutting the cone corresponding to the diameter of the cable. The cable is then routed into the grommet where the internal shape is increasing the strain relief. Is it also possible to secure the cable with a cable tie. **SPP P ATEX series can be used in zone 2 and 22.**

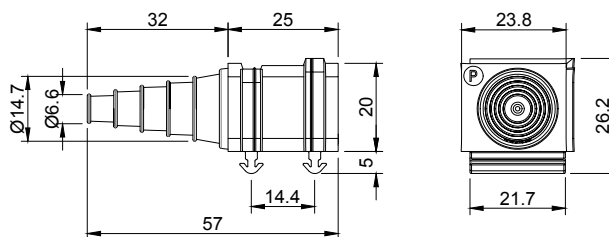
Material: TPE, halogens and silicones free

Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

Model	Code	Ø Cable min/max (mm)	Pcs (/pack)
 SPP PGA	1731320650	3 - 14	1
 SPP PBA	1731320652		

Dimensions (mm)



RELATED PRODUCTS

- DES 24 A
- DES 16 A
- DES 10 A
- DES Q A
- DES L1 A
- DES L2 A
- DES L3 A
- DES L4 A
- DES L5 A
- DESPRED A

* Indoor only



IP66

NEMA 12, 4X*

UL TYPE 12, 4X



ECOLAB





SPG P ATEX



SPG multi-range grommets with pyramidal shape

FEATURES

- Universal solution for cables without connectors from 17 to 33 mm diameter
- Can be used on all DES Frames and divisible cable glands
- IP66
- UL94-V0 for both grey and black colors



The SPG P ATEX grommets are suitable for cables without connectors. They are used by cutting the cone corresponding to the diameter of the cable. The cable is then routed into the grommet where the internal shape improves the strain relief.

Is it also possible to secure the cable with a cable tie.

SPG P ATEX series can be used in zone 2 and 22.

Material: TPE, halogens and silicones free

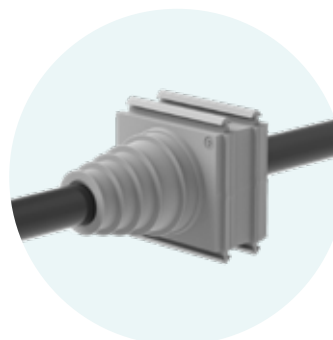
Flammability: self-extinguishing acc. to UL94-V0

Temperature: -40°C... +110°C (static)

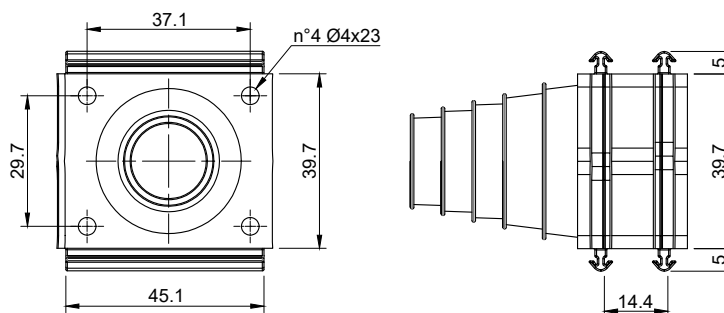
RELATED PRODUCTS

- DES 24 A
- DES Q A
- DES 16 A
- DESPRED A
- DES 10 A

Model	Code	Cable diameter range (mm)	Pcs (/pack)
 SPG PGA	1731320745	17 - 33	10
 SPG PBA	1731320748		



Dimensions (mm)



* Indoor only



IP66

NEMA 12, 4X*



ECOLAB



CODE INDEX

CODE	MODEL	PAGE
1731010001	DES L1	12
1731010002	DES L2	12
1731010003	DES L3	12
1731010004	DES L4	13
1731010005	DES L5	13
1731010008	DES Q	11
1731010010	DES 10	10
1731010016	DES 16	9
1731010024	DES 24	8
1731010124	DES 24-90	15
1731010215	DES 24MX15	17
1731010216	DES 16M	19
1731010224	DES 24M	16
1731010252	DES 24 MX2	18
1731010253	DES 24 MX3	18
1731010254	DES 24 MX4	18
1731010262	DES 16 MX2	20
1731010263	DES 16 MX3	20
1731010264	DES 16 MX4	20
1731010270	DES 380M	26
1731010272	DES 380MX2	27
1731010273	DES 380MX3	27
1731010274	DES 380MX4	27
1731010278	SPH0G	63
1731010281	SPH38G	63
1731010282	SPH42G	63
1731010283	SPH46G	63
1731010284	SPH50G	63
1731010285	SPH54G	63
1731010286	SPH58G	63
1731010287	SPH62G	63
1731010308	DESQ CLICK	24
1731010310	DES10 CLICK	23
1731010316	DES16 CLICK	22
1731010317	DES16/2 CLICK	22
1731010324	DES24 CLICK	21
1731010326	DES24/2 CLICK	21
1731010332	DES LC 2	25
1731010333	DES LC 3	25
1731010334	DES LC 4	25
1731010335	DES LC 5	25
1731010408	DES FLAP Q CLICK	30
1731010410	DES FLAP 10 CLICK	30
1731010416	DES FLAP 16 CLICK	30
1731010424	DES FLAP 24 CLICK	30
1731020100	SPP 0G	49
1731020102	SPP 2G	49

CODE	MODEL	PAGE
1731020103	SPP 3G	49
1731020104	SPP 4G	49
1731020105	SPP 5G	49
1731020106	SPP 6G	49
1731020107	SPP 7G	49
1731020108	SPP 8G	49
1731020109	SPP 9G	49
1731020110	SPP 10G	49
1731020111	SPP 11G	49
1731020112	SPP 12G	49
1731020113	SPP 13G	49
1731020114	SPP 14G	49
1731020115	SPP 15G	49
1731020116	SPP 16G	49
1731020200	SPP 0B	49
1731020202	SPP 2B	49
1731020203	SPP 3B	49
1731020204	SPP 4B	49
1731020205	SPP 5B	49
1731020206	SPP 6B	49
1731020207	SPP 7B	49
1731020208	SPP 8B	49
1731020209	SPP 9B	49
1731020210	SPP 10B	49
1731020211	SPP 11B	49
1731020212	SPP 12B	49
1731020213	SPP 13B	49
1731020214	SPP 14B	49
1731020215	SPP 15B	49
1731020216	SPP 16B	49
1731020304	SPP 2X2G	49
1731020306	SPP 2X3G	49
1731020308	SPP 2X4G	49
1731020310	SPP 2X5G	49
1731020312	SPP 2X6G	49
1731020314	SPP 2X7G	49
1731020316	SPP 2X8G	49
1731020318	SPP 4X2G	49
1731020320	SPP 4X3G	49
1731020330	SPP 2x3+2x4,5G	49
1731020322	SPP 4X4G	49
1731020324	SPP 4X5G	49
1731020326	SPP 4X6G	49
1731020332	SPP 2x3+2x4,5B	49
1731020404	SPP 2X2B	49
1731020406	SPP 2X3B	49
1731020408	SPP 2X4B	49

CODE	MODEL	PAGE
1731020410	SPP 2X5B	49
1731020412	SPP 2X6B	49
1731020414	SPP 2X7B	49
1731020416	SPP 2X8B	49
1731020418	SPP 4X2B	49
1731020420	SPP 4X3B	49
1731020422	SPP 4X4B	49
1731020424	SPP 4X5B	49
1731020426	SPP 4X6B	49
1731020504	SPP M4G	53
1731020505	SPP M4BG	53
1731020604	SPP M4B	53
1731020605	SPP M4bB	53
1731020650	SPP PG	52
1731020651	SPP PGT	52
1731020652	SPP PB	52
1731020653	SPP PBT	52
1731020708	SPP F8G	54
1731020712	SPP F12G	54
1731020716	SPP F16G	54
1731020720	SPP VENT G	54
1731020725	SPP F1/4G	54
1731020728	SPP F1/8G	54
1731020730	SPP Z3	53
1731020745	SPG PG	57
1731020748	SPG PB	57
1731020810	SPG WD22	59
1731020815	SPG WFQ20	59
1731020820	SPG WFQ27	59
1731020830	SPG WFP23	59
1731020840	SPG W12X1	59
1731020850	SPG W25X1,5	59
1731020905	SPG W22 USB3.0	60
1731020907	SPG WP20 USB3.0	61
1731020913	SPG WP16 USB-C	61
1731020915	SPG W22 USB-C	60
1731020930	SPG W22 RJ45 CAT.6	60
1731020933	SPG WP20 RJ45 CAT.6	61
1731020935	SPG W22 HDMI	60
1731020937	SPG WP20 HDMI	61
1731020937	SPG WP M12RJ	61
1731020940	SPG W22 2XUSB2.0	60
1731020970	SPG WCK	59
1731021100	SPP K0G	51
1731021110	SPP K1G	51
1731021115	SPP K2G	51
1731021120	SPP K3G	51

CODE	MODEL	PAGE
------	-------	------

1731021125	SPP K4G	51
1731021127	SPP K5G	51
1731021130	SPP ASI G	49
1731021140	SPP ASI2 G	49
1731021200	SPP R1G	50
1731021202	SPP R2G	50
1731021204	SPP R3G	50
1731021206	SPP R4G	50
1731021210	SPP R1B	50
1731021212	SPP R2B	50
1731021214	SPP R3B	50
1731021216	SPP R4B	50
1731022000	SPG 0G	55
1731022020	SPG 0B	55
1731022030	SPG YG	62
1731022035	SPG YB	62
1731022117	SPG 17G	55
1731022118	SPG 18G	55
1731022119	SPG 19G	55
1731022120	SPG 20G	55
1731022121	SPG 21G	55
1731022122	SPG 22G	55
1731022123	SPG 23G	55
1731022124	SPG 24G	55
1731022125	SPG 25G	55
1731022126	SPG 26G	55
1731022127	SPG 27G	55
1731022128	SPG 28G	55
1731022129	SPG 29G	55
1731022130	SPG 30G	55
1731022131	SPG 31G	55
1731022132	SPG 32G	55
1731022133	SPG 33G	55
1731022134	SPG 34G	55
1731022217	SPG 17B	55
1731022218	SPG 18B	55
1731022219	SPG 19B	55
1731022220	SPG 20B	55
1731022221	SPG 21B	55
1731022222	SPG 22B	55
1731022223	SPG 23B	55
1731022224	SPG 24B	55
1731022225	SPG 25B	55
1731022226	SPG 26B	55
1731022227	SPG 27B	55
1731022228	SPG 28B	55
1731022229	SPG 29B	55
1731022230	SPG 30B	55
1731022231	SPG 31B	55
1731022232	SPG 32B	55
1731022233	SPG 33B	55
1731022234	SPG 34B	55

CODE	MODEL	PAGE
------	-------	------

1731022300	SPG K0G	56
1731022302	SPG M2G	58
1731022303	SPG M3G	58
1731022304	SPG M4G	58
1731022307	SPG M7G	58
1731022309	SPG M9G	58
1731022310	SPG K1G	56
1731022314	SPG M14G	58
1731022315	SPG M15G	58
1731022320	SPG K2G	56
1731022330	SPG K3G	56
1731022400	SPG K0B	56
1731022402	SPG M2B	58
1731022403	SPG M3B	58
1731022404	SPG M4B	58
1731022407	SPG M7B	58
1731022409	SPG M9B	58
1731022410	SPG K1B	56
1731022414	SPG M14B	58
1731022415	SPG M15B	58
1731022420	SPG K2B	56
1731022430	SPG K3B	56
1731023100	SPP K0B	51
1731023110	SPP K1B	51
1731023115	SPP K2B	51
1731023120	SPP K3B	51
1731023125	SPP K4B	51
1731023127	SPP K5B	51
1731031008	DES FLAPQ	29
1731031010	DES FLAP10	29
1731031016	DES FLAP16	29
1731031024	DES FLAP24	29
1731032008	DES COVERQ	28
1731032010	DES COVER10	28
1731032016	DES COVER16	28
1731032024	DES COVER24	28
1731040002	ISP 2	64
1731040003	ISP 3	64
1731040004	ISP 4	64
1731040005	ISP 5	64
1731040006	ISP 6	64
1731040007	ISP 7	64
1731040008	ISP 8	64
1731040009	ISP 9	64
1731040010	ISP 10	64
1731040011	ISP 11	64
1731040012	ISP 12	64
1731040013	ISP 13	64
1731040014	ISP 14	64
1731040015	ISP 15	64
1731040016	ISP 16	64
1731050025	DESPRED 25	39

CODE	MODEL	PAGE
------	-------	------

1731050032	DESPRED 32	39
1731050063	DESPRED 63	39
1731050250	DESPRED 50-90	40
1731051020	DESCCLICK 20B	37
1731051025	DESCCLICK 25B	37
1731051032	DESCCLICK 32B	37
1731051050	DESCCLICK 50B	38
1731051320	DESCCLICK 20G	37
1731051325	DESCCLICK 25G	37
1731051332	DESCCLICK 32G	37
1731051350	DESCCLICK 50G	38
1731052032	DDM32 SUB-D9	42
1731052316	OSF 16G	32
1731052320	OSF 20G	32
1731052325	OSF 25G	32
1731052332	OSF 32G	32
1731052340	OSF 40G	33
1731052350	OSF 50G	34
1731052363	OSF 63G	34
1731052416	OSF 16B	32
1731052420	OSF 20B	32
1731052425	OSF 25B	32
1731052432	OSF 32B	32
1731052440	OSF 40B	33
1731052450	OSF 50B	34
1731052460	OSF 63B	34
1731052500	SPC 0G	44
1731052502	SPC 2G	44
1731052503	SPC 3G	44
1731052504	SPC 4G	44
1731052505	SPC 5G	44
1731052506	SPC 6G	44
1731052507	SPC 7G	44
1731052508	SPC 8G	44
1731052509	SPC 9G	44
1731052510	SPC 10G	44
1731052511	SPC 11G	44
1731052512	SPC 12G	44
1731052513	SPC 13G	44
1731052514	SPC 14G	44
1731052522	SPC 2X2G	44
1731052523	SPC 2X3G	44
1731052524	SPC 2X4G	44
1731052525	SPC 2X5G	44
1731052526	SPC 2X6G	44
1731052527	SPC 2X7G	44
1731052532	SPC 4X2G	44
1731052533	SPC 4X3G	44
1731052534	SPC 4X4G	44
1731052535	SPC 4X5G	44
1731052536	SPC 4X6G	44
1731052537	SPC 4X4,5G	44

CODE	MODEL	PAGE
1731052550	SPC K1G	46
1731052555	SPC K2G	46
1731052560	SPC K3G	46
1731052565	SPC K4G	46
1731052600	SPC 0B	44
1731052602	SPC 2B	44
1731052603	SPC 3B	44
1731052604	SPC 4B	44
1731052605	SPC 5B	44
1731052606	SPC 6B	44
1731052607	SPC 7B	44
1731052608	SPC 8B	44
1731052609	SPC 9B	44
1731052610	SPC 10B	44
1731052611	SPC 11B	44
1731052612	SPC 12B	44
1731052613	SPC 13B	44
1731052614	SPC 14B	44
1731052622	SPC 2X2B	44
1731052623	SPC 2X3B	44
1731052624	SPC 2X4B	44
1731052625	SPC 2X5B	44
1731052626	SPC 2X6B	44
1731052627	SPC 2X7B	44
1731052632	SPC 4X2B	44
1731052633	SPC 4X3B	44
1731052634	SPC 4X4B	44
1731052635	SPC 4X5B	44
1731052636	SPC 4X6B	44
1731052637	SPC 4X4,5B	44
1731052650	SPC K1B	46
1731052652	SPC K2B	46
1731052654	SPC K3B	46
1731052656	SPC K4B	46
1731052716	OSF ZIP 16G	36
1731052720	OSF ZIP 20G	36
1731052725	OSF ZIP 25G	36
1731052732	OSF ZIP 32G	36
1731052816	OSF ZIP 16B	36
1731052820	OSF ZIP 20B	36
1731052825	OSF ZIP 25B	36
1731052832	OSF ZIP 32B	36
1731052916	OSF90 16G	35
1731052917	OSF90 16B	35
1731052920	OSF90 20G	35
1731052921	OSF90 20B	35
1731052925	OSF90 25G	35
1731052926	OSF90 25B	35
1731052932	OSF90 32G	35
1731052933	OSF90 32B	35
1731053000	SPL 0G	47
1731053001	SPL 0B	47

CODE	MODEL	PAGE
1731053005	SPL 13G	47
1731053010	SPL 17G	47
1731053013	SPL 21G	47
1731053015	SPL 25G	47
1731053020	SPL 29G	47
1731053025	SPL 13B	47
1731053030	SPL 17B	47
1731053033	SPL 21B	47
1731053035	SPL 25B	47
1731053040	SPL 29B	47
1731053050	SPL M4G	48
1731053055	SPL M8G	48
1731053058	SPL M13G	48
1731053060	SPL M4B	48
1731053065	SPL M8B	48
1731053068	SPL M13B	48
1731053101	SPC R1G	45
1731053102	SPC R2G	45
1731053103	SPC R3G	45
1731053106	SPC R1B	45
1731053107	SPC R2B	45
1731053108	SPC R3B	45
1731060010	DES Z10	68
1731060016	DES Z16	68
1731060024	DES Z24	68
1731060202	DES ZZ-L2	69
1731060203	DES ZZ-L3	69
1731060204	DES ZZ-L4	69
1731060205	DES ZZ-L5	69
1731060208	DES ZZ-Q	69
1731060210	DES ZZ-10	69
1731060216	DES ZZ-16	69
1731060224	DES ZZ-24	69
1731060232	DESPRED ZZ 32	71
1731060263	DESPRED ZZ 63	71
1731060332	DESCCLICK Z-32	70
1731060350	DESCCLICK Z-50	70
1731253020	DDMD M20	41
1731253025	DDMD M25	41
1731253032	DDMD M32	41
1731253040	DDMD M40	41
1731253050	DDMD M50	41
1731253063	DDMD M63	41
1731260008	DES Q CLEAN	72
1731260024	DES 24 CLEAN	72
1731260100	SPP 0C	74
1731260102	SPP 2C	74
1731260103	SPP R1C	74
1731260106	SPP R2C	74
1731260109	SPP R3C	74
1731260112	SPP R4C	74
1731260116	SPP 16C	74

CODE	MODEL	PAGE
1731260117	SPG 0C	74
1731260118	SPG 18C	74
1731260119	SPG 19C	74
1731260120	SPG 20C	74
1731260121	SPG 21C	74
1731260122	SPG 22C	74
1731260123	SPG 23C	74
1731260124	SPG 24C	74
1731260125	SPG 25C	74
1731260126	SPG 26C	74
1731260127	SPG 27C	74
1731260128	SPG 28C	74
1731260129	SPG 29C	74
1731260130	SPG 30C	74
1731260131	SPG 31C	74
1731260132	SPG 32C	74
1731260133	SPG 33C	74
1731260134	SPG 34C	74
1731260142	SPP 2X2C	74
1731260143	SPP 2X3C	74
1731260144	SPP 2X4C	74
1731260145	SPP 2X5C	74
1731260146	SPP 2X6C	74
1731260147	SPP 2X7C	74
1731260148	SPP 2X8C	74
1731260152	SPP 4X2C	74
1731260153	SPP 4X3C	74
1731260154	SPP 4X4C	74
1731260155	SPP 4X5C	74
1731260156	SPP 4X6C	74
1731310001	DES L1A	170
1731310002	DES L2A	170
1731310003	DES L3A	170
1731310004	DES L4A	170
1731310005	DES L5A	170
1731310008	DES QA	170
1731310010	DES 10A	170
1731310016	DES 16A	170
1731310024	DES 24A	170
1731320100	SPP 0GA	172
1731320102	SPP 2GA	172
1731320103	SPP 3GA	172
1731320104	SPP 4GA	172
1731320105	SPP 5GA	172
1731320106	SPP 6GA	172
1731320107	SPP 7GA	172
1731320108	SPP 8GA	172
1731320109	SPP 9GA	172
1731320110	SPP 10GA	172
1731320111	SPP 11GA	172
1731320112	SPP 12GA	172
1731320113	SPP 13GA	172

CODE	MODEL	PAGE	CODE	MODEL	PAGE	CODE	MODEL	PAGE
1731320114	SPP 14GA	172	1731322120	SPG 20GA	173	1732012415	DES-PDM 24/15G	76
1731320115	SPP 15GA	172	1731322121	SPG 21GA	173	1732012416	DES-PDM 24/16G	77
1731320116	SPP 16GA	172	1731322122	SPG 22GA	173	1732012417	DES-PDM 24/17G	77
1731320200	SPP 0BA	172	1731322123	SPG 23GA	173	1732012421	DES-PDM 24/124G	77
1731320202	SPP 2BA	172	1731322124	SPG 24GA	173	1732012425	DES-PDM 24/25G	77
1731320203	SPP 3BA	172	1731322125	SPG 25GA	173	1732012426	DES-PDM 24/26G	77
1731320204	SPP 4BA	172	1731322126	SPG 26GA	173	1732012432	DES-PDM 24/32G	77
1731320205	SPP 5BA	172	1731322127	SPG 27GA	173	1732012442	DES-PDM 24/42G	77
1731320206	SPP 6BA	172	1731322128	SPG 28GA	173	1732013403	DES-PDM 24/3B	76
1731320207	SPP 7BA	172	1731322129	SPG 29GA	173	1732013412	DES-PDM 24/12B	76
1731320208	SPP 8BA	172	1731322130	SPG 30GA	173	1732013415	DES-PDM 24/14B	76
1731320209	SPP 9BA	172	1731322131	SPG 31GA	173	1732013416	DES-PDM 24/15B	76
1731320210	SPP 10BA	172	1731322132	SPG 32GA	173	1732013417	DES-PDM 24/16B	77
1731320211	SPP 11BA	172	1731322133	SPG 33GA	173	1732013418	DES-PDM 24/17B	77
1731320212	SPP 12BA	172	1731322134	SPG 34GA	173	1732013426	DES-PDM 24/25B	77
1731320213	SPP 13BA	172	1731322217	SPG 17BA	173	1732013427	DES-PDM 24/26B	77
1731320214	SPP 14BA	172	1731322218	SPG 18BA	173	1732013433	DES-PDM 24/32B	77
1731320215	SPP 15BA	172	1731322219	SPG 19BA	173	1732013443	DES-PDM 24/42B	77
1731320216	SPP 16BA	172	1731322220	SPG 20BA	173	1732014613	DES-PDM Q/13G	79
1731320304	SPP 2X2GA	172	1731322221	SPG 21BA	173	1732014617	DES-PDM Q/17G	79
1731320306	SPP 2X3GA	172	1731322222	SPG 22BA	173	1732014625	DES-PDM Q/25G	79
1731320308	SPP 2X4GA	172	1731322223	SPG 23BA	173	1732015614	DES-PDM Q/13B	79
1731320310	SPP 2X5GA	172	1731322224	SPG 24BA	173	1732015618	DES-PDM Q/17B	79
1731320312	SPP 2X6GA	172	1731322225	SPG 25BA	173	1732015626	DES-PDM Q/25B	79
1731320314	SPP 2X7GA	172	1731322226	SPG 26BA	173	1732019980	DES PDM CAPS	101
1731320316	SPP 2X8GA	172	1731322227	SPG 27BA	173	1732019983	DES CAPS	64
1731320318	SPP 4X2GA	172	1731322228	SPG 28BA	173	1732021122	DES-PDM-S 112/22G	83
1731320320	SPP 4X3GA	172	1731322229	SPG 29BA	173	1732021126	DES-PDM-S 100/4G	83
1731320322	SPP 4X4GA	172	1731322230	SPG 30BA	173	1732021127	DES-PDM-S 112/7G	83
1731320324	SPP 4X5GA	172	1731322231	SPG 31BA	173	1732022122	DES-PDM-S 112/22B	83
1731320326	SPP 4X6GA	172	1731322232	SPG 32BA	173	1732022127	DES-PDM-S 112/7B	83
1731320404	SPP 2X2BA	172	1731322233	SPG 33BA	173	1732025017	DES-PDM24/13 CLEAN	103
1731320406	SPP 2X3BA	172	1731322234	SPG 34BA	173	1732025025	DES-PDM24/25 CLEAN	103
1731320408	SPP 2X4BA	172	1731350025	DESPRED 25A	171	1732025032	DES-PDM24/32 CLEAN	103
1731320410	SPP 2X5BA	172	1731350032	DESPRED 32A	171	1732026013	DES-PDM ZIP 24/13G	82
1731320412	SPP 2X6BA	172	1731350063	DESPRED 63A	171	1732026025	DES-PDM ZIP 24/25G	82
1731320414	SPP 2X7BA	172	1731410001	DES L1FT	14	1732026032	DES-PDM ZIP 24/32G	82
1731320416	SPP 2X8BA	172	1731410002	DES L2FT	14	1732030120	DES-PDMU 20G	85
1731320418	SPP 4X2BA	172	1731410003	DES L3FT	14	1732030125	DES-PDMU 25G	85
1731320420	SPP 4X3BA	172	1731410004	DES L4FT	14	1732030132	DES-PDMU 32G	85
1731320422	SPP 4X4BA	172	1731410005	DES L5FT	14	1732030150	DES-PDMU 50G	85
1731320424	SPP 4X5BA	172	1731410008	DES Q FT	14	1732031120	DES-PDMU 20B	85
1731320426	SPP 4X6BA	172	1731410010	DES10 FT	14	1732031125	DES-PDMU 25B	85
1731320650	SPP PGA	184	1731410016	DES16 FT	14	1732031132	DES-PDMU 32B	85
1731320652	SPP PBA	184	1731410024	DES24 FT	14	1732031150	DES-PDMU 50B	85
1731320745	SPG PGA	185	1732010612	DES-PMH 6/12G	91	1732032002	DES-PDM M20/2G	86
1731320748	SPG PBA	185	1732010618	DES-PMH 6/18G	91	1732032003	DES-PDM M20/3G	86
1731322000	SPG 0GA	173	1732011008	DES-PDM 10/8G	78	1732032004	DES-PDM M20/4G	86
1731322020	SPG 0BA	173	1732011026	DES-PDM 10/26G	78	1732032504	DES-PDM M25/4G	86
1731322117	SPG 17GA	173	1732012403	DES-PDM 24/3G	76	1732032506	DES-PDM M25/6G	87
1731322118	SPG 18GA	173	1732012412	DES-PDM 24/12G	76	1732033204	DES-PDM M32/4G	87
1731322119	SPG 19GA	173	1732012414	DES-PDM 24/14G	76	1732033207	DES-PDM M32/7G	87

CODE	MODEL	PAGE
------	-------	------

1732033242	DES-PDM M32/4-2G	87
1732033002	DES-PDM M20/2B	86
1732033003	DES-PDM M20/3B	86
1732033004	DES-PDM M20/4B	86
1732033504	DES-PDM M25/4B	86
1732033507	DES-PDM M25/6B	87
1732034008	DES-PDM M40/8G	87
1732034012	DES-PDM M40/12G	87
1732034013	DES-PDM M40/12B	87
1732034205	DES-PDM M32/4B	87
1732034208	DES-PDM M32/7B	87
1732034252	DES-PDM M32/4-2B	87
1732034304	DES-PDM M32/4 CLEAN	104
1732034307	DES-PDM M32/7 CLEAN	104
1732034342	DES-PDM M32/4-2 CLEAN	104
1732035008	DES-PDM M50/8G	87
1732035009	DES-PDM M40/8B	87
1732035010	DES-PDM M50/10G	87
1732035012	DES-PDM M50/12G	87
1732035019	DES-PDM M50/19G	87
1732036009	DES-PDM M50/8B	87
1732036011	DES-PDM M50/10B	87
1732036013	DES-PDM M50/12B	87
1732036020	DES-PDM M50/19B	87
1732036108	DES-PDM M50/8 CLEAN	104
1732036306	DES-PDM M63/6G	88
1732036309	DES-PDM M63/9G	88
1732036313	DES-PDM M63/13G	88
1732036314	DES-PDM M63/14G	88
1732036335	DES-PDM M63/35G	88
1732037307	DES-PDM M63/6B	88
1732037310	DES-PDM M63/9B	88
1732037314	DES-PDM M63/13B	88
1732037315	DES-PDM M63/14B	88
1732037336	DES-PDM M63/35B	88
1732040019	DES-PDM KN/19G	84
1732040021	DES-PDM KN/21G	84
1732040072	DES-PDM KN/72G	84
1732041020	DES-PDM KN/19B	84
1732041021	DES-PDM KN/21B	84
1732041073	DES-PDM KN/72B	84
1732050025	DES-PDP 25G	89
1732050032	DES-PDP 32G	89
1732050040	DES-PDP 40G	89
1732050050	DES-PDP 50G	89
1732050063	DES-PDP 63G	89
1732050075	DES-PDP 75G	89
1732052025	DES-PDP 25B	89
1732052032	DES-PDP 32B	89
1732052040	DES-PDP 40B	89
1732052050	DES-PDP 50B	89
1732052063	DES-PDP 63B	89

CODE	MODEL	PAGE
------	-------	------

1732052075	DES-PDP 75B	89
1732052163	DES-PDPS63G	90
1732052175	DES-PDPS75G	90
1732052203	DES-PMA-M32-R1G	97
1732052206	DES-PMA-M32-R2G	97
1732052320	DES-PM 16/20G	94
1732052323	DES-PM 16/23G	94
1732052326	DES-PM 16/26G	94
1732052412	DES-PM 24/12G	92
1732052414	DES-PM 24/14G	92
1732052417	DES-PM 24/17G	92
1732052418	DES-PM 24/18G	92
1732052420	DES-PM 24/20G	93
1732052426	DES-PM 24/26G	93
1732052442	DES-PM 24/42G	93
1732052448	DES-PM 24/48G	93
1732052450	DES-PM 24/50G	93
1732053413	DES-PM 24/12B	92
1732053415	DES-PM 24/14B	92
1732053418	DES-PM 24/17B	92
1732053419	DES-PM 24/18B	92
1732053421	DES-PM 24/20B	93
1732053427	DES-PM 24/26B	93
1732053443	DES-PM 24/42B	93
1732053449	DES-PM 24/48B	93
1732053451	DES-PM 24/50B	93
1732060116	DES-PMU 16G	96
1732060120	DES-PMU 20G	96
1732060125	DES-PMU 25G	96
1732060132	DES-PMU 32G	96
1732061116	DES-PMU 16B	96
1732061120	DES-PMU 20B	96
1732061125	DES-PMU 25B	96
1732061132	DES-PMU 32B	96
1732062504	DES-PM M25/4G TYPE 1	98
1732062506	DES-PM M25/6G TYPE 1	98
1732063210	DES-PM M32/10G TYPE 1	98
1732063505	DES-PM M25/4B TYPE 1	98
1732063507	DES-PM M25/6B TYPE 1	98
1732064009	DES-PM M40/9G	99
1732064012	DES-PM M40/9B	99
1732064016	DES-PM M40/16G	98
1732064017	DES-PM M40/16B	98
1732064211	DES-PM M32/10B TYPE 1	98
1732065009	DES-PM M50/9G TYPE 1	99
1732065011	DES-PM M50/11G TYPE 1	99
1732065012	DES-PM M50/12G TYPE 1	99
1732065015	DES-PM M50/15G TYPE 1	99
1732065017	DES-PM M50/17G TYPE 1	99
1732065020	DES-PM M50/20G TYPE 1	99
1732066010	DES-PM M50/9B TYPE 1	99
1732066012	DES-PM M50/11B TYPE 1	99

CODE	MODEL	PAGE
------	-------	------

1732066013	DES-PM M50/12B TYPE 1	99
1732066016	DES-PM M50/15B TYPE 1	99
1732066018	DES-PM M50/17B TYPE 1	99
1732066021	DES-PM M50/20B TYPE 1	99
1732067012	RCS M12G	102
1732067016	RCS M16G	102
1732067020	RCS M20G	102
1732067025	RCS M25G	102
1732067032	RCS M32G	102
1732067040	RCS M40G	102
1732067050	RCS M50G	102
1732070002	IFP 5G	101
1732070004	IFP 9G	101
1732070006	IFP 12G	101
1732070008	IFP 16G	101
1732070010	IFP 20G	101
1732070012	IFP 5B	101
1732070014	IFP 9B	101
1732070016	IFP 12B	101
1732070018	IFP 16B	101
1732071221	DES-PM-S 112/21G	95
1732071222	DES-PM-S 112/21B	95
1732074607	DES-PM-S 46/7G	95
1732074608	DES-PM-S 46/7B	95
1732074609	DES-PM-S 46/9G	95
1732074610	DES-PM-S 46/9B	95
1732076908	DES-PM-S 69/8G	95
1732076909	DES-PM-S 69/8B	95
1732078611	DES-PM-S 86/11G	95
1732078612	DES-PM-S 86/11B	95
1732078617	DES-PM-S 86/17G	95
1732078618	DES-PM-S 86/17B	95
1732212403	DES PDM 24/3G FT	80
1732212412	DES PDM 24/12G FT	80
1732212414	DES PDM 24/14G FT	80
1732212415	DES PDM 24/15G FT	80
1732212416	DES PDM 24/16G FT	80
1732212417	DES PDM 24/17G FT	80
1732212425	DES PDM 24/25G FT	80
1732212426	DES PDM 24/26G FT	80
1732212432	DES PDM 24/32G FT	80
1732212442	DES PDM 24/42G FT	80
1732213415	DES PDM 24/15B FT	80
1732213421	DES PDM 24/124G FT	80
1732263210	DES-PM M32/10G TYPE 2	98
1732264211	DES-PM M32/10B TYPE 2	98
1732265012	DES-PM M50/12G TYPE 2	99
1732266013	DES-PM M50/12B TYPE 2	99
1732290025	EDM 25-50	100
1732290032	EDM 32-50	100
1732290040	EDM 40-50	100
1732290050	EDM 50-50	100

CODE	MODEL	PAGE
------	-------	------

1732290063	EDM 63-50	100
1732312403	DES PDM 24A/3G	174
1732312412	DES PDM 24A/12G	174
1732312414	DES PDM 24A/14G	174
1732312415	DES PDM 24A/15G	174
1732312416	DES PDM 24A/16G	175
1732312417	DES PDM 24A/17G	175
1732312425	DES PDM 24A/25G	175
1732312426	DES PDM 24A/26G	175
1732312432	DES PDM 24A/32G	175
1732312442	DES PDM 24A/42G	175
1732312445	DES PDM 24A/124G	175
1732313403	DES PDM 24A/3B	174
1732313412	DES PDM 24A/12B	174
1732313414	DES PDM 24A/14B	174
1732313415	DES PDM 24A/15B	174
1732313416	DES PDM 24A/16B	175
1732313417	DES PDM 24A/17B	175
1732313425	DES PDM 24A/25B	175
1732313426	DES PDM 24A/26B	175
1732313432	DES PDM 24A/32B	175
1732313442	DES PDM 24A/42B	175
1732314613	DES PDM Q13GA	177
1732314617	DES PDM Q17GA	177
1732314625	DES PDM Q25GA	177
1732315614	DES PDM Q13BA	177
1732315618	DES PDM Q17BA	177
1732315626	DES PDM Q25BA	177
1732321122	DES PDM S 112A/22G	176
1732321127	DES PDM S 112A/7G	176
1732322122	DES PDM S 112A/22B	176
1732322127	DES PDM S 112A/7B	176
1732330120	DES PDMU 20GA	178
1732330125	DES PDMU 25GA	178
1732330132	DES PDMU 32GA	178
1732331120	DES PDMU 20BA	178
1732331125	DES PDMU 25BA	178
1732331131	DES PDMU 32BA	178
1732332002	DES-PDM M20A/2G	179
1732332003	DES-PDM M20A/3G	179
1732332004	DES-PDM M20A/4G	179
1732333005	DES-PDM M20A/2B	179
1732333006	DES-PDM M20A/3B	179
1732333007	DES-PDM M20A/4B	179
1732333104	DES-PDM M25A/4G	179
1732333506	DES-PDM M25A/6G	180
1732333204	DES PDM M32A/4G	180
1732333207	DES PDM M32A/7G	180
1732333242	DES PDM M32A/4-2G	180
1732333504	DES-PDM M25A/4B	180
1732333507	DES-PDM M25A/6B	180
1732334008	DES PDM M40A/8G	180

CODE	MODEL	PAGE
------	-------	------

1732334012	DES PDM M40A/12G	180
1732334205	DES PDM M32A/4B	180
1732334208	DES PDM M32A/7B	180
1732334252	DES PDM M32A/4-2B	180
1732335007	DES PDM M40A/12B	180
1732335008	DES PDM M50A/8G	180
1732335009	DES PDM M40A/8B	180
1732335010	DES PDM M50A/10G	180
1732335012	DES PDM M50A/12G	180
1732335019	DES PDM M50A/19G	180
1732336009	DES PDM M50A/8B	180
1732336011	DES PDM M50A/10B	180
1732336013	DES PDM M50A/12B	180
1732336020	DES PDM M50A/19B	180
1732336306	DES PDM M63A/6G	181
1732336309	DES PDM M63A/9G	181
1732336313	DES PDM M63A/13G	181
1732336314	DES PDM M63A/14G	181
1732336335	DES PDM M63A/35G	181
1732337307	DES PDM M63A/6B	181
1732337310	DES PDM M63A/9B	181
1732337314	DES PDM M63A/13B	181
1732337315	DES PDM M63A/14B	181
1732337336	DES PDM M63A/35B	181
1732350025	DES PDP 25GA	182
1732350032	DES PDP 32GA	182
1732350040	DES PDP 40GA	182
1732350050	DES PDP 50GA	182
1732350063	DES PDP 63GA	182
1732350075	DES PDP 75GA	182
1732352025	DES PDP 25BA	182
1732352032	DES PDP 32BA	182
1732352040	DES PDP 40BA	182
1732352050	DES PDP 50BA	182
1732352063	DES PDP 63BA	182
1732352075	DES PDP 75BA	182
1732352080	DES PDPS 63GA	183
1732352090	DES PDPS 75GA	183
1733000003	APD 39	108
1733000006	APD 80	108
1733000009	APD 140	108
1733000012	APD 180	108
1733010047	AP-DP 63	109
1733010611	AP-DP 95	109
1733010713	AP-DP 119	109
1733011411	AP-DP 95 BA4	109
1733011413	AP-DP 119 BA4	109
1733011447	AP-DP 63 BA4	109
1733012411	AP-DP 95 BR4	109
1733012413	AP-DP 119 BR4	109
1733012447	AP-DP 63 BR4	109
1733020003	AP 39	106

CODE	MODEL	PAGE
------	-------	------

1733020004	AP 60	106
1733020005	AP 70	106
1733020006	AP 87	106
1733020007	AP 103	106
1733020008	AP 121	106
1733020009	AP 140	106
1733020010	AP 180	106
1733020011	DZ 30	110
1733020012	DZ 32	110
1733020020	FV1	115
1733020025	FV2	115
1733020030	FV3	115
1733021006	BOB 15X10	115
1733021008	BOB 19X10	115
1733021009	BOB 38X10	115
1733021010	BOB 10X25	115
1733021012	OW13	114
1733021013	OW20	114
1733021020	BOB 20X25	115
1733021101	FVM101	116
1733021150	FVM150	116
1733021200	FVM200	116
1733021300	FVM300	116
1733021305	FVS-Q1	117
1733021310	FVS-Q2	117
1733021315	FVS-Q3	117
1733021326	FVS-R8	117
1733021335	FVS-T10	117
1733021403	AP 39 BA4	107
1733021404	AP 60 BA4	107
1733021405	AP 70 BA4	107
1733021406	AP 87 BA4	107
1733021407	AP 103 BA4	107
1733021408	AP 121 BA4	107
1733021409	AP 140 BA4	107
1733021410	AP 180 BA4	107
1733021503	AP 39 BA5	107
1733021504	AP 60 BA5	107
1733021505	AP 70 BA5	107
1733021506	AP 87 BA5	107
1733021507	AP 103 BA5	107
1733021508	AP 121 BA5	107
1733021509	AP 140 BA5	107
1733021510	AP 180 BA5	107
1733021603	AP 39 BA6	107
1733021604	AP 60 BA6	107
1733021605	AP 70 BA6	107
1733021606	AP 87 BA6	107
1733021607	AP 103 BA6	107
1733021608	AP 121 BA6	107
1733021609	AP 140 BA6	107
1733021610	AP 180 BA6	107

CODE	MODEL	PAGE
------	-------	------

1733022403	AP 39 BR4	107
1733022404	AP 60 BR4	107
1733022405	AP 70 BR4	107
1733022406	AP 87 BR4	107
1733022407	AP 103 BR4	107
1733022408	AP 121 BR4	107
1733022409	AP 140 BR4	107
1733022410	AP 180 BR4	107
1733022503	AP 39 BR5	107
1733022504	AP 60 BR5	107
1733022505	AP 70 BR5	107
1733022506	AP 87 BR5	107
1733022507	AP 103 BR5	107
1733022508	AP 121 BR5	107
1733022509	AP 140 BR5	107
1733022510	AP 180 BR5	107
1733022603	AP 39 BR6	107
1733022604	AP 60 BR6	107
1733022605	AP 70 BR6	107
1733022606	AP 87 BR6	107
1733022607	AP 103 BR6	107
1733022608	AP 121 BR6	107
1733022609	AP 140 BR6	107
1733022610	AP 180 BR6	107
1733030010	MFK 13-25	112
1733030015	MFK 20-36	112
1733030021	MFKD 36-52	112
1733030025	MFK 55-75	112
1733030030	MFK 75-95	112
1733030040	MFY 27-38	112
1733030050	MFY 38-51	112
1733030060	MFY 51-69	112
1733030110	CFP 1	113
1733030120	CFP 2	113
1733030130	CFP 3	113
1734000100	MB 22	153
1734000151	MB 14 V2	153
1734010080	MSS 30-37	122
1734010090	MSS 38-48	122
1734010095	MSS 50-60	122
1734010100	MSS 62-74	122
1734010210	MSS2 1.5-3	121
1734010220	MSS2 3-6	121
1734010230	MSS2 7-9	121
1734010240	MSS2 9-12	121
1734010250	MSS2 11-17	121
1734010260	MSS2 18-22	121
1734010270	MSS2 22-30	121
1734010280	MSS3 1.5-3	123
1734010281	MSS3 3-7	123
1734010285	MSS3 6-10	123
1734010290	MSS3 3-11	123

CODE	MODEL	PAGE
------	-------	------

1734010310	MSL 3-9	124
1734010320	MSL 10-19	124
1734010330	MSLB 3-12	124
1734010410	MSP 1,5-3	135
1734010411	MSP 1,5-3 V2	135
1734010420	MSP 3-6	135
1734010421	MSPC 3-7	135
1734010425	MSPC 6-10	135
1734014002	DES L2 EMC	156
1734014003	DES L3 EMC	156
1734014004	DES L4 EMC	156
1734014005	DES L5 EMC	156
1734014008	DES Q EMC	156
1734014010	DES 10 EMC	156
1734014016	DES 16 EMC	156
1734014024	DES 24 EMC	156
1734020070	MSD 22-30	134
1734020080	MSD 30-37	134
1734020090	MSD 38-48	134
1734020300	MSF 2X2-6	145
1734020305	MSF 3-8	145
1734020310	MSFD 3-8	145
1734020315	MSF 4-13,5	145
1734020320	MSFD 4-13,6	145
1734020325	MSF 10-20	145
1734020330	MSFD 10-20	145
1734020335	MSF 15-32	145
1734020340	MSFD 15-32	145
1734021010	MSD2 1.5-3	133
1734021020	MSD2 3-6	133
1734021030	MSD2 7-9	133
1734021040	MSD2 9-12	133
1734021050	MSD2 11-17	133
1734021060	MSD2 18-22	133
1734021080	MSD2L 3-9	133
1734021081	MSD2L 3-12	133
1734021090	MSD2L 10-19	133
1734021095	MSD 50-60	134
1734021098	MSD 62-74	134
1734024000	SPG0 EMC	156
1734024100	SPP0 EMC	156
1734024102	SPP2 EMC	156
1734024116	SPP16 EMC	156
1734024117	SPG17 EMC	156
1734024118	SPG18 EMC	156
1734024119	SPG19 EMC	156
1734024120	SPG20 EMC	156
1734024121	SPG21 EMC	156
1734024122	SPG22 EMC	156
1734024123	SPG23 EMC	156
1734024124	SPG24 EMC	156
1734024125	SPG25 EMC	156

CODE	MODEL	PAGE
------	-------	------

1734024126	SPG26 EMC	156
1734024127	SPG27 EMC	156
1734024128	SPG28 EMC	156
1734024129	SPG29 EMC	156
1734024130	SPG30 EMC	156
1734024131	SPG31 EMC	156
1734024132	SPG32 EMC	156
1734024133	SPG33 EMC	156
1734024134	SPG34 EMC	156
1734024140	SPP R1 EMC	156
1734024142	SPP R2 EMC	156
1734024144	SPP R3 EMC	156
1734024146	SPP R4 EMC	156
1734024304	SPP 2X2 EMC	156
1734024306	SPP 2X3 EMC	156
1734024308	SPP 2X4 EMC	156
1734024310	SPP 2X5 EMC	156
1734024312	SPP 2X6 EMC	156
1734024314	SPP 2X7 EMC	156
1734024316	SPP 2X8 EMC	156
1734024318	SPP 4X2 EMC	156
1734024320	SPP 4X3 EMC	156
1734024322	SPP 4X4 EMC	156
1734024324	SPP 4X5 EMC	156
1734024326	SPP 4X6 EMC	156
1734029800	MSAS 1,5-3	126
1734029810	MSAS 3-6	126
1734029820	MSAS 6-10	126
1734029830	MSAS 9-12	126
1734029840	MSAS 11-17	126
1734029850	MSAS 18-22	126
1734030010	MSA 1.5-3	128
1734030020	MSA 3-6	128
1734030030	MSA 7-9	128
1734030040	MSA 9-12	128
1734030050	MSA 11-17	128
1734030060	MSA 18-22	128
1734030070	MSA 22-30	128
1734030080	MSAL 3-9	128
1734030090	MSAL 10-19	128
1734030110	MSM 1,5-3	125
1734030120	MSM 3-6	125
1734030130	MSM 7-9	125
1734030140	MSM 9-12	125
1734030180	MSML 3-9	125
1734030193	MSAD 3-7	127
1734030195	MSAD 6-10	127
1734030200	MSAD 10-20	127
1734030210	MSK 1,5-3	141
1734030215	MSK2 1,5-3	141
1734030220	MSK 3-6	141
1734030225	MSK2 3-6	141

CODE	MODEL	PAGE
1734030230	MSK 7-9	141
1734030235	MSK2 7-9	141
1734030240	MSY 1,5-3	142
1734030245	MSY2 1,5-3	142
1734030250	MSY 3-6	142
1734030255	MSY2 3-6	142
1734030260	MSY 7-9	142
1734030265	MSY2 7-9	142
1734030310	MSU 3X1,5-3	144
1734030320	MSU 3X3-6	144
1734030330	MSU 3X7-9	144
1734030340	MSU 3X9-12	144
1734030410	MSU 4X1,5-3	144
1734030420	MSU 4X3-6	144
1734030430	MSU 4X7-9	144
1734030440	MSU 4X9-12	144
1734030510	MSU 5X1,5-3	144
1734030520	MSU 5X3-6	144
1734030530	MSU 5X7-9	144
1734030540	MSU 5X9-12	144
1734030620	MSU 6X3-6	144
1734030630	MSU 6X7-9	144
1734030640	MSU 6X9-12	144
1734031010	MSU 10X 1,5-3	144
1734031020	MSU 10X 3-6	144
1734031030	MSU 10X 7-9	144
1734031210	MSU 12X 1,5-3	144
1734031220	MSU 12X 3-6	144
1734031230	MSU 12X 7-9	144
1734040010	MSB 1,5-3	137
1734040015	MSBS 1.5-3	136
1734040020	MSB 3-6	137
1734040025	MSBS 3-6	136
1734040030	MSB 7-9	137
1734040035	MSBS 6-10	136
1734040040	MSB 9-12	137
1734040045	MSBS 9-12	136
1734040050	MSB 11-17	137
1734040055	MSBS 11-17	136
1734040060	MSB 18-22	137
1734040065	MSBS 18-22	136
1734040080	MSBL 3-9	136
1734040090	MSBL 10-19	136
1734040111	MSRP 1,5-3 V2	139
1734040120	MSRP 3-6	139
1734040121	MSRC 3-7	139
1734040130	MSRP 7-9	139
1734040131	MSRC 6-10	139
1734040310	MSR 1,5-3	138
1734040320	MSR 3-6	138
1734040330	MSR 7-9	138
1734040340	MSR 9-12	138

CODE	MODEL	PAGE
1734040350	MSR 11-17	138
1734040360	MSR 18-22	138
1734040370	MSR 22-30	138
1734040381	MSRL 3-12	138
1734040390	MSRL 10-19	138
1734040405	MSH 2-5	140
1734040408	MSH 3-8	140
1734040414	MSH 3-14	140
1734040420	MSH 3-20	140
1734040435	MSH 20-35	140
1734040512	MST 6-12	143
1734040518	MST 12-18	143
1734040522	MST 18-22	143
1734040530	MST 22-30	143
1734040538	MST 30-38	143
1734040542	MST 38-42	143
1734040600	MSTB 6-12	111
1734040602	MSTB 12-18	111
1734040605	MSTB 18-22	111
1734040607	MSTB 22-30	111
1734040610	MSTB 30-38	111
1734040612	MSTB 38-42	111
1734040615	MSTB 42-50	111
1734040620	MSTB 50-64	111
1734040622	MSTB 64-70	111
1734040624	MSTB 70-80	111
1734040626	MSTB 80-100	111
1734040705	MSFC 2X2-6	146
1734040710	MSFC 3-8	146
1734040715	MSFC 4-13,5	146
1734040720	MSFC 10-20	146
1734040725	MSFC 15-32	146
1734040810	MSFE 3-8	146
1734040815	MSFE 4-13,5	146
1734040820	MSFE 10-20	146
1734040825	MSFE 15-32	146
1734050010	MSE 1.5-3	130
1734050020	MSE 3-6	130
1734050030	MSE 7-9	130
1734050040	MSE 9-12	130
1734050050	MSE 11-17	130
1734050060	MSE 18-22	130
1734050070	MSE 22-30	130
1734050080	MSEL 3-9	130
1734050090	MSEL 10-19	130
1734050100	MSES 1,5-3	129
1734050105	MSES 3-6	129
1734050110	MSES 7-9	129
1734050120	MSES 11-17	129
1734050125	MSES 18-22	129
1734050130	MSEA 3-6	131
1734050135	MSEA 7-9	131

CODE	MODEL	PAGE
1734050140	MSEA 9-12	131
1734050150	MSEA 3-12	131
1734052316	OSF EMC 16 - 1,5-3	149
1734052317	OSF EMC 16 - 3-6	149
1734052320	OSF EMC 20 - 1,5-3	149
1734052321	OSF EMC 20 - 3-6	149
1734052325	OSF EMC 25 - 1.5-3	149
1734052326	OSF EMC 25 - 3-6	149
1734052332	OSF EMC 32 - 1.5-3	149
1734052333	OSF EMC 32 - 3-6	149
1734060001	MSC 1.5-3	147
1734060003	MSC 3-6	147
1734060006	MSC 7-9	147
1734060110	MSG 1.5-3	132
1734060120	MSG 3-6	132
1734060130	MSG 7-9	132
1734080000	CTX-6/100/6	154
1734080005	CTX-6/150/6	154
1734080010	CTX-6/200/6	154
1734080015	CTX-6/250/6	154
1734080020	CTX-6/300/6	154
1734080025	CTX-6/400/6	154
1734080030	CTX-6/500/6	154
1734080035	CTX-10/100/6	154
1734080040	CTX-10/100/8	154
1734080045	CTX-10/150/8	154
1734080050	CTX-10/200/6	154
1734080055	CTX-10/200/8	154
1734080060	CTX-10/250/6	154
1734080065	CTX-10/300/6	154
1734080070	CTX-10/300/8	154
1734080075	CTX-10/400/6	154
1734080080	CTX-10/400/8	154
1734080085	CTX-10/500/6	154
1734080090	CTX-16/100/6	154
1734080095	CTX-16/100/8	154
1734080100	CTX-16/150/6	154
1734080105	CTX-16/150/8	154
1734080110	CTX-16/200/6	154
1734080115	CTX-16/200/8	154
1734080120	CTX-16/250/8	154
1734080125	CTX-16/300/6	154
1734080130	CTX-16/300/8	154
1734080135	CTX-16/350/8	154
1734080140	CTX-16/400/8	154
1734080145	CTX-16/500/8	154
1734080150	CTX-16/600/8	154
1734080155	CTX-25/100/10	154
1734080160	CTX-25/150/10	154
1734080165	CTX-25/200/8	154
1734080170	CTX-25/200/10	154
1734080175	CTX-25/250/8	154

CODE	MODEL	PAGE	CODE	MODEL	PAGE
1734080180	CTX-25/300/8	154	1736010050	PNZ 50	162
1734080185	CTX-25/300/10	154	1736010063	PNZ 63	162
1734080190	CTX-25/350/10	154	1736010100	HY360	162
1734080195	CTX-25/400/8	154	1736010105	TG114	163
1734080200	CTX-25/500/8	154	1736010108	PNZ 108	162
1734080205	CTX-25/600/8	154	1736020020	PF2	164
1734080808	GKD-Q	161	1736020030	PF3	164
1734080810	GKD-10	161	1736020040	PF4	164
1734080816	GKD-16	161	1736020050	PF5	164
1734080824	GKD-24	161	1736020060	PF6	164
1734090100	ENGINEERING BOX EMC	153	1736020070	PF7	164
1734090108	EMCS-Q	148	1736020080	PFD1	165
1734090110	EMCS-10	148	1736020090	PFD2	165
1734090116	EMCS-16	148	1736020100	PFD3	165
1734090124	EMCS-24	148	1736020110	PFD4	165
1734090130	EMCZ-Q	150	1736020120	PFD5	165
1734090134	EMCZ-24	150	1736020130	PFD6	165
1734090140	EMCZ-M40	151	1736020600	PFX600	166
1734090150	EMCZ-M50	151	1736020800	PFX800	166
1734090163	EMCZ-M63	151	1736021000	PFX1000	166
1735010010	FL6	158	1736030006	SQZ 600	167
1735010014	FL10	158	1736030008	SQZ 800	167
1735010016	FL11	158	1736030010	SQZ 1000	167
1735010020	FL14	158	1736030012	SQZ 1200	167
1735010022	FL16	158	1736999840	DELUXE DEMOBOX	168
1735010026	FL20	158	1736999850	UltraTray 4	67
1735010032	FL23	158	1736999851	UltraTray 4 SPC R	67
1735010035	FL29	158	1736999852	UltraTray 4 SPP R	67
1735010042	FL37	158	1736999860	UTILITY BOX SPP G	66
1735010054	FL45	158	1736999861	UTILITY BOX SPP B	66
1735030010	FW6	159	1736999862	UTILITY BOX SPCL G	65
1735030013	FW10	159	1736999863	UTILITY BOX SPCL B	65
1735030015	FW11	159			
1735030018	FW14	159			
1735030021	FW16	159			
1735030025	FW20	159			
1735030028	FW23	159			
1735030034	FW29	159			
1735030042	FW42	159			
1735030054	FW45	159			
1736010002	PNZ 02	162			
1736010003	PNZ 03	162			
1736010004	PNZ 04	162			
1736010005	PNZ 05	162			
1736010008	PNZ 08	162			
1736010010	PNZ 10	162			
1736010016	PNZ 16	162			
1736010022	PNZ 22	162			
1736010023	PNZ 24	162			
1736010025	PNZ 25	162			
1736010032	PNZ 32	162			
1736010040	PNZ 40	162			

