

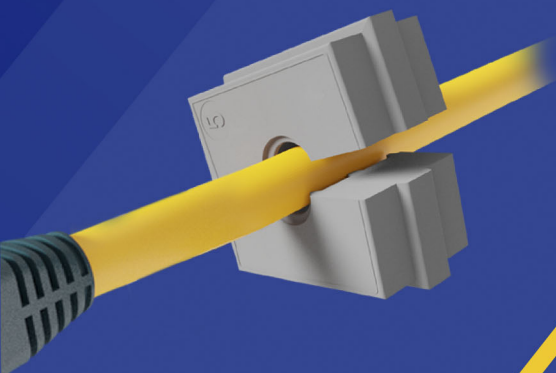
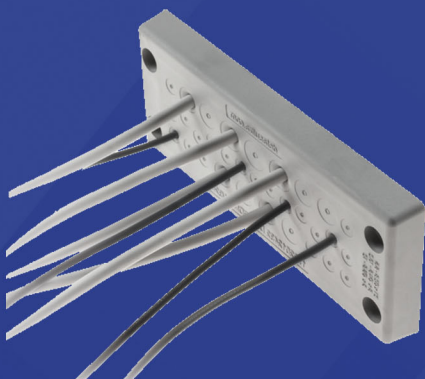


ELECTRICAL COMPONENTS



Cable Entry Systems

- Cable passing frames
- Split gland frames
- Split grommets
- Cable passing plates



Cable Entry Systems



The DES (Detas Entry System) solution is designed to simplify the use of cables in electrical equipment, improving watertightness, strain relief and EMC, whilst minimizing costs. DES has been designed, developed and patented in Italy, thanks to their technical skills in the thermoplastic industry and production equipment.

DetasUltra's DES Cable Entry Systems are an excellent alternative to the traditional cable glands, requiring fewer holes to be punched, in addition to easier installation, and allowing for pre-terminated cables.

Table of Contents

Cable Entry Systems	2
Table of Contents	2
Split Cable Glands	3
Split Cable Glands - Straight Frames - OSF, DESCLICK, DESPRED	4
90-Degrees Split Cable Gland Frames - OSF90, DESPRED 50-90	5
Split Locknuts	5
Grommets (inserts)	6
Grommets - Small - SPC	6
Grommets - Small - SPP	7
Grommets - Large - SPG	10
Cable Passing Frames - DES	13
DES 380 cable passing frames	17
DES Flap	18
DES Cover	18
Hygienic Cable Entry Frames	19
Cable Entry Plates	20
DES PDM Clean / Hygienic Entry Plates	21
DES PDM M - Round cable entry plates with internal frame and double membrane	22
DES PDMU - Round cable entry plates for single cable	22
DES PDMU - Round cable entry plates with double membrane for single cable	23
DES PM - Round cable entry plates with double membrane	23

DetasUltra's offerings also include Strain relief modules, EMC shielding (clamps and brackets). Contact ITC for more information.



Split Cable Glands

Split cable glands permit the passage of pre-terminated cables and wires while providing sealing and strain relief, in the transition from the exterior environment to a panel, enclosure, or machinery.

Split glands are composed of a thermoplastic frame which can be separated in 2 parts, and of grommets (inserts) made of elastomer resin, which can accommodate the cable or wire before being securely inserted in the frame.

All split cable frames are supplied with the corresponding locknut.

ITC offers the following models of split cable gland frames:

- **OSF:**
 - **Assembly:** Snap
 - **Sizes:** M16, M20, M25, M32
 - **Grommet Types:** SPC
 - **Ingress Protection:** IP54, NEMA12, IK10
 - **Frame Material:** Polycarbonate
 - **Operating Temperature:** -40 to 130°C
- **DESCCLICK:**
 - **Assembly:** Snap
 - **Sizes:** M20, M25, M32, M50
 - **Grommet Types:** SPP, SPG
 - **Ingress Protection:** IP54, NEMA12, IK10
 - **Frame Material:** Polycarbonate
 - **Operating Temperature:** -40 to 130°C
- **DESPRED**
 - **Assembly:** Stainless steel screws
 - **Sizes:** M25, M32, M63
 - **Grommet Types:** SPP, SPG
 - **Ingress Protection:** IP66, NEMA4X, IK10
 - **Frame Material:** Polypropylene + fiberglass
 - **Operating Temperature:** -40 to 155°C



OSF

Split cable glands can use the following grommets (inserts):

- small size grommets with one hole (blind to 16mm diameter), 2 holes (2x 2 to 8mm), 4 holes (4x 2 to 6mm), 1 or 2 ASI slots
- large size grommets (blind to 34mm diameter). Grommets are supplied separately.



DESPRED



DESCCLICK

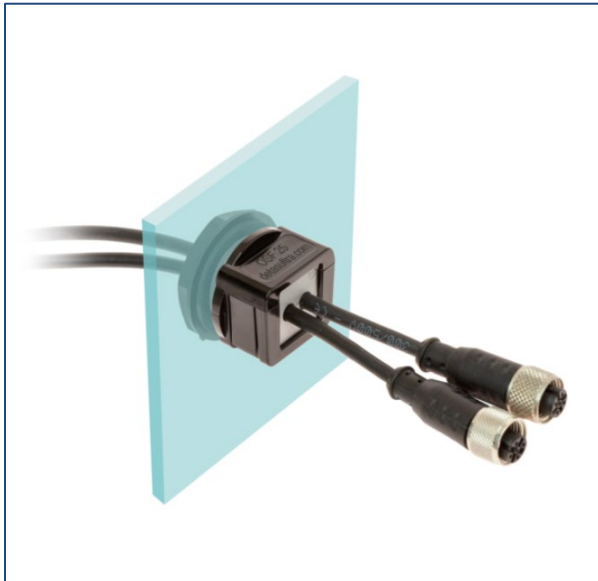
Split Cable Glands - Straight Frames - OSF, DESCCLICK, DESPRED

- OSF and Desclick: snap assembly
- Despred screw assembly

Split Cable Glands - Straight (Order by Part No.)

Thread	Part No. (Grey)	Part No. (Black)	Model	Approvals	Cutout (mm)	Grommet types	Pack
M16	154.016	154.116	OSF 16G/B		16.5	Small SPC	10
M20	154.020	154.120	OSF 20G/B		20.5	Small SPC	10
M25	154.025	154.125	OSF 25G/B		25.5	Small SPC	10
M32	154.032	154.132	OSF 32G/B		32.5	Small SPC	10
M40	154.040	154.140	OSF 40G/B		40.5	Small SPC, x2	10
M50	—	154.150	OSF 50B		50.5	Small SPC, x4	10
M63	—	154.163	OSF 63B		63.5	Small SPC, x4	10
M20	154.220	154.320	Desclick 20G/B		20.5	Small SPP	10
M25	154.225	154.325	Desclick 25G/B		25.5	Small SPP	10
M32	154.232	154.332	Desclick 32G/B		32.5	Small SPP	10
M50	154.251	154.351	Desclick 50G/B		50.5	Small SPP/large SPG	10
M25	—	154.525	Despred 25		25.5	Small SPP	10
M32	—	154.532	Despred 32		32.5	Small SPP	10
M63	—	154.563	Despred 63		63.5	Small SPP/large SPG	10

Information subject to change without notice



154.125 OSF 25B



154.251 Desclick 50G

90-Degrees Split Cable Gland Frames - OSF90, DESPRED 50-90

90-degrees 'Elbow' models of split glands, designed for use where space or access is limited.

Features and Specifications:

Model DES OSF90

- **Sizes:** M16, M20, M25, M32
- **Ingress Protection:** IP54, NEMA12, IK10
- **Material:** Polycarbonate
- **Operating Temperature:** -40 to 130°C

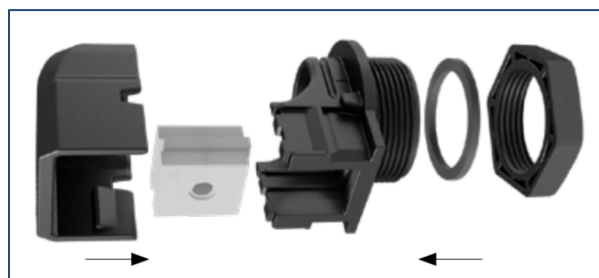
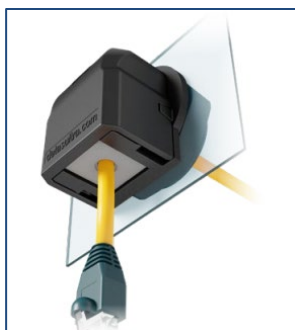
Model DESPRED 50-90

- **Size:** M50
- **Ingress Protection:** IP54, IK10
- **Material:** Polyamide66 + fiberglass
- **Operating Temperature:** -40 to 155°C

90 degrees Split Cable Glands (order by Part No.)

Thread	Part No. (Grey)	Part No. (Black)	Model	Approvals	Cutout (mm)	Grommet types	Pack
M16	154.616G	154.616B	OSF90 16G/B	c  us	16.5	Small SPC	10
M20	154.620G	154.620B	OSF90 20G/B		20.5	Small SPC	10
M25	154.625G	154.625B	OSF90 25G/B		25.5	Small SPC	10
M32	154.632G	154.632B	OSF90 32G/B		32.5	Small SPC	10
M50	—	154.651B	Despred 50-90B		50.5	Small SPP/large SPG	10

Information subject to change without notice



Split Locknuts

The DDMD divisible locknuts allow the pass through of connectors which are dimensionally larger than the conventional locknuts. Six metric thread sizes are available.

Split Locknuts (Order by Part No.)

Thread	Approvals	Part No.	Pack Qty
M20	c  us	184.120DE	10
M25		184.125DE	10
M32		184.132DE	10
M40		184.140DE	10
M50		184.151DE	10
M63		184.163DE	10

Information subject to change without notice



Grommets (inserts)

SPC, SPP and SPG grommets are openable grommets which can be used into DES and OSF frames for routing pre-terminated cables with diameters from 2mm to 35mm, and up to 65mm with the SPH grommets.

Grommets - Small - SPC

SPC grommets for use with OSF split cable glands and DES CLICK and DES LC frames.

Features and Specifications:

- **Colour:** Grey, black available on request
- **Ingress Protection:** IP54
- **Material:** Thermoplastic Elastomer (TPE), UL94-V0
- **Operating Temperature:** -40 to 110°C

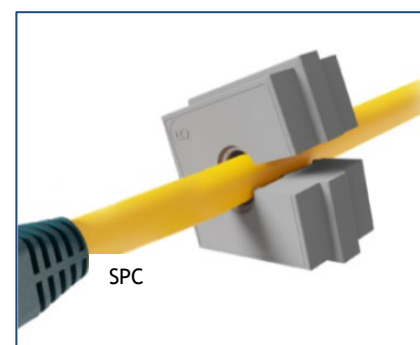
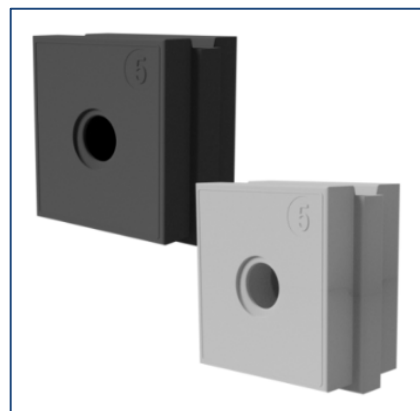
SPC (SMALL) grommets for DES OSF split glands (Order by Part No.)

Cable size (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPC 0G	DE-SPC 0B	10
2 - 3		DE-SPC 2G	DE-SPC 2B	10
3 - 4		DE-SPC 3G	DE-SPC 3B	10
4 - 5		DE-SPC 4G	DE-SPC 4B	10
5 - 6		DE-SPC 5G	DE-SPC 5B	10
6 - 7		DE-SPC 6G	DE-SPC 6B	10
7 - 8		DE-SPC 7G	DE-SPC 7B	10
8 - 9		DE-SPC 8G	DE-SPC 8B	10
9 - 10		DE-SPC 9G	DE-SPC 9B	10
10 - 11		DE-SPC 10G	DE-SPC 10B	10
11 - 12		DE-SPC 11G	DE-SPC 11B	10
12 - 13		DE-SPC 12G	DE-SPC 12B	10
13 - 14		DE-SPC 13G	DE-SPC 13B	10
14 - 15		DE-SPC 14G	DE-SPC 14B	10
2x2		DE-SPC 2x2G	DE-SPC 2x2B	10
2x3		DE-SPC 2x3G	DE-SPC 2x3B	10
2x4		DE-SPC 2x4G	DE-SPC 2x4B	10
2x5		DE-SPC 2x5G	DE-SPC 2x5B	10
2x6		DE-SPC 2x6G	DE-SPC 2x6B	10
2x7		DE-SPC 2x7G	DE-SPC 2x7B	10
4x2		DE-SPC 4x2G	DE-SPC 4x2B	10
4x3		DE-SPC 4x3G	DE-SPC 4x3B	10
4x4		DE-SPC 4x4G	DE-SPC 4x4B	10
4x5		DE-SPC 4x5G	DE-SPC 4x5B	10
4x6		DE-SPC 4x6G	DE-SPC 4x6B	10

Information subject to change without notice

ATEX versions available upon request

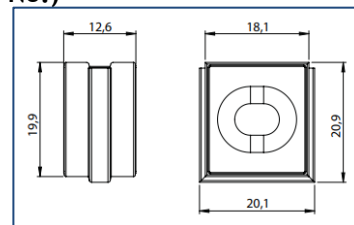
Black grommets - special order



SPC Grommets with Extended Range for Cables without Connectors (Order by Part No.)

Cable Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPC K0G	DE-SPC K0B	10
8		DE-SPC K1G	DE-SPC K1B	10
11		DE-SPC K2G	DE-SPC K2B	10
13		DE-SPC K3G	DE-SPC K3B	10
14		DE-SPC K4G	DE-SPC K4B	10

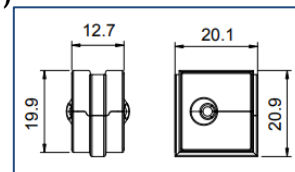
Information subject to change without notice
ATEX versions available upon request



SPC Grommets with Extended Range for Cables without Connectors (Order by Part No.)

Cable Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
3 - 6		DE-SPC R1G	DE-SPC R1B	10
6 - 9		DE-SPC R2G	DE-SPC R2B	10
9 - 12		DE-SPC R3G	DE-SPC R3B	10

Information subject to change without notice
ATEX versions available upon request



Grommets - Small - SPP

SPP grommets for use with DES and DECLICK frames, DESPRED and DESCLICK split cable entry systems.

Features and Specifications:

- **Colour:** Grey, black available on request
- **Ingress Protection:** IP66
- **Material:** Thermoplastic Elastomer (TPE), UL94-V0
- **Operating Temperature:** -40 to 110°C

SPP Blind Grommets with Extended Range (Order by Part No.)

Cable Size Range (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPP K0G	DE-SPP K0B	10
2.5 - 7		DE-SPP K1G	DE-SPP K1B	10
4.5 - 10		DE-SPP K2G	DE-SPP K2B	10
7.5 - 12.5		DE-SPP K3G	DE-SPP K3B	10
9 - 14		DE-SPP K4G	DE-SPP K4B	10
12 - 16.5		DE-SPP K5G	DE-SPP K5B	10

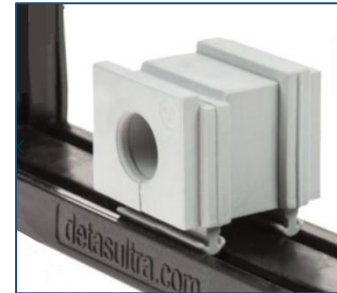
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ATEX versions available upon request



SPP Grommets with Extended Range (Order by Part No.)

Cable Size Range (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
3 - 6		DE-SPP R1G	DE-SPP R1B	10
6 - 9		DE-SPP R2G	DE-SPP R2B	10
9 - 12		DE-SPP R3G	DE-SPP R3B	10
12 - 15		DE-SPP R4G	DE-SPP R4B	10

Information subject to change without notice
ATEX versions available upon request


SPP Multi-Diameter Grommet with Pyramidal Shape for cables without connectors (Order by Part No.)

Cable Size Range (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
2 - 14		DE-SPP PG	DE-SPP PB	10

Information subject to change without notice
ATEX versions available upon request


SPP Vent

Small grommet with pressure compensation valve.

SPP Vent (Order by Part No.)

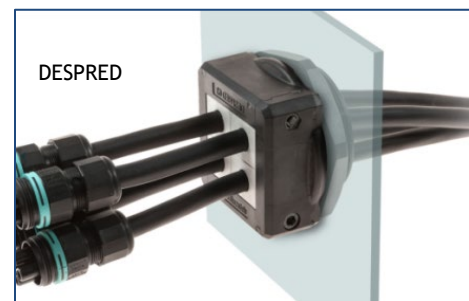
Thread	Part No. (Grey)	Pack Qty
M12	DE-SPP VENT G	10

Information subject to change without notice
ATEX versions available upon request



SPP (SMALL) grommets for DESPRED, DES CLICK, DES FRAME cable entry systems (Order by Part No.)

Cable Range mm	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPP 0G	DE-SPP 0B	10
Blind / Pierceable 4x6		DE-SPP M4G	DE-SPP M4B	10
Blind / Pierceable 2x4 + 2x8		DE-SPP M4BG	DE-SPP M4BB	10
2 - 3		DE-SPP 2G	DE-SPP 2B	10
3 - 4		DE-SPP 3G	DE-SPP 3B	10
4 - 5		DE-SPP 4G	DE-SPP 4B	10
5 - 6		DE-SPP 5G	DE-SPP 5B	10
6 - 7		DE-SPP 6G	DE-SPP 6B	10
7 - 8		DE-SPP 7G	DE-SPP 7B	10
8 - 9		DE-SPP 8G	DE-SPP 8B	10
9 - 10		DE-SPP 9G	DE-SPP 9B	10
10 - 11		DE-SPP 10G	DE-SPP 10B	10
11 - 12		DE-SPP 11G	DE-SPP 11B	10
12 - 13		DE-SPP 12G	DE-SPP 12B	10
13 - 14		DE-SPP 13G	DE-SPP 13B	10
14 - 15		DE-SPP 14G	DE-SPP 14B	10
15 - 16		DE-SPP 15G	DE-SPP 15B	10
16 - 17		DE-SPP 16G	DE-SPP 16B	10
2x2		DE-SPP 2x2G	DE-SPP 2x2B	10
2x3		DE-SPP 2x3G	DE-SPP 2x3B	10
2x4		DE-SPP 2x4G	DE-SPP 2x4B	10
2x5		DE-SPP 2x5G	DE-SPP 2x5B	10
2x6		DE-SPP 2x6G	DE-SPP 2x6B	10
2x7		DE-SPP 2x7G	DE-SPP 2x7B	10
2x8		DE-SPP 2x8G	DE-SPP 2x8B	10
4x2		DE-SPP 4x2G	DE-SPP 4x2B	10
4x3		DE-SPP 4x3G	DE-SPP 4x3B	10
4x4		DE-SPP 4x4G	DE-SPP 4x4B	10
4x5		DE-SPP 4x5G	DE-SPP 4x5B	10
4x6		DE-SPP 4x6G	DE-SPP 4x6B	10
1xASI		DE-SPP ASI G	DE-SPP ASI B	10
2xASI		DE-SPP ASI2 G	DE-SPP ASI2 B	10



Information subject to change without notice; ATEX versions available upon request
 Black grommets - special order, use the suffix B on part number instead of G

Grommets - Large - SPG

SPG grommets for use with DESPRED 63 , DESCLICK 50 split cable glands and DES and DESCLICK FRAMES.

Features and Specifications:

- **Colour:** Grey, black available on request
- **Ingress Protection:** IP66
- **Material:** Thermoplastic Elastomer (TPE), UL94-V0
- **Operating Temperature:** -40 to 110°C

SPG (LARGE) grommets for DESPRED 63, DESCLICK 50 split glands & DES FRAMES (Order by Part No.)

Cable size (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPG 0G	DE-SPG 0B	10
Blind / Pierceable ^		DE-SPG K0G	DE-SPG K0B	10
17		DE-SPG 17G	DE-SPG 17B	10
18		DE-SPG 18G	DE-SPG 18B	10
19		DE-SPG 19G	DE-SPG 19B	10
20		DE-SPG 20G	DE-SPG 20B	10
21		DE-SPG 21G	DE-SPG 21B	10
22		DE-SPG 22G	DE-SPG 22B	10
23		DE-SPG 23G	DE-SPG 23B	10
24		DE-SPG 24G	DE-SPG 24B	10
25		DE-SPG 25G	DE-SPG 25B	10
26		DE-SPG 26G	DE-SPG 26B	10
27		DE-SPG 27G	DE-SPG 27B	10
28		DE-SPG 28G	DE-SPG 28B	10
29		DE-SPG 29G	DE-SPG 29B	10
30		DE-SPG 30G	DE-SPG 30B	10
31		DE-SPG 31G	DE-SPG 31B	10
32		DE-SPG 32G	DE-SPG 32B	10
33		DE-SPG 33G	DE-SPG 33B	10
34		DE-SPG 34G	DE-SPG 34B	10



Information subject to change without notice
ATEX versions available upon request
Black grommets - special order

^ Blind grommet SPG K0G can be pierced through its membrane; 1 hole up to 32mm diameter.

SPG M Large Grommets - Double Membrane - for cables without connectors (Order by Part No.)

# of Cables Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
4 13.5mm 2 5mm 1 9.5mm		DE-SPG M7G	DE-SPG M7B	10
9 8.8mm		DE-SPG M9G	DE-SPG M9B	10
12 6.5mm 2 12mm		DE-SPG M14G	DE-SPG M14B	10
15 7mm		DE-SPG M15G	DE-SPG M15B	10

Information subject to change without notice
Black grommets - special order


SPG Grommets - Double Membrane - for cables without connectors (Order by Part No.)

Cable Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
32		DE-SPG K0G	DE-SPG K0B	10
16-22		DE-SPG K1G	DE-SPG K1B	10
23-26		DE-SPG K2G	DE-SPG K2B	10
26-30		DE-SPG K3G	DE-SPG K3B	10

Information subject to change without notice
ATEX versions available upon request; Black grommets - special order


SPG Grommets - large (Order by Part No.)

Cable Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPG 0G	DE-SPG 0B	10
17-18		DE-SPG 17G	DE-SPG 17B	10
18-19		DE-SPG 18G	DE-SPG 18B	10
19-20		DE-SPG 19G	DE-SPG 19B	10
20-21		DE-SPG 20G	DE-SPG 20B	10
21-22		DE-SPG 21G	DE-SPG 21B	10
22-23		DE-SPG 22G	DE-SPG 22B	10
23-24		DE-SPG 23G	DE-SPG 23B	10
24-25		DE-SPG 24G	DE-SPG 24B	10
25-26		DE-SPG 25G	DE-SPG 25B	10
26-27		DE-SPG 26G	DE-SPG 26B	10
27-28		DE-SPG 27G	DE-SPG 27B	10
28-29		DE-SPG 28G	DE-SPG 28B	10
29-30		DE-SPG 29G	DE-SPG 29B	10
30-31		DE-SPG 30G	DE-SPG 30B	10
31-32		DE-SPG 31G	DE-SPG 31B	10
32-33		DE-SPG 32G	DE-SPG 32B	10
33-34		DE-SPG 33G	DE-SPG 33B	10
34-35		DE-SPG 34G	DE-SPG 34B	10

Information subject to change without notice
ATEX versions available upon request; Black grommets - special order



SPG Large Grommets for drives and service connectors (Order by Part No.)

Application	Part No. (Black)	Pack Qty
For M23 flanges	DE-SPG WFP23	1
For squared openable flange □ 38mm, hole Ø 20mm (for M15 connectors)	DE-SPG WFQ20	1
For squared openable flange □ 38mm, hole Ø 27mm (for M23 connectors)	DE-SPG WFQ27	1
For M12 threads	DE-SPG WF12	1
For M25 threads	DE-SPG WF25	1
For 22mm panel connectors	DE-SPG W22	1
With USB 3.0 (f/f) and IP65 cap	DE-SPG W22 USB 3.0	1
With USB-B (f/f) and IP65 cap	DE-SPG W22 USB-B	1
With USB-C (f/f) and IP65 cap	DE-SPG W22 USB-C	1
With USB-Mini (f/m) and IP65 cap	DE-SPG W22 USB-Mini	1
With USB-Micro (f/m) and IP65 cap	DE-SPG W22 USB-Micro	1
With RJ45 Cat.6 (f/f) and IP65 cap	DE-SPG W22 RJ45 CAT.6	1
With HDMI (f/f) and IP65 cap	DE-SPG W22 HDMI	1
With 2 USB 2.0 (f/f) and IP65 cap	DE-SPG W22 2xUSB 2.0	1

Information subject to change without notice


SPG Y Large/Small Adapter Grommets

The SPG Y are large grommets that allow a single or multiple small grommets to be mounted within them, and are used to avoid the use of blind grommets or to reduce the number of grommets used.

SPG Large/Small Adapter Grommet (Order by Part No.)

Part No. (Grey)	Part No. (Black)	Pack Qty
DE-SPG YG	DE-SPG YB	10

Information subject to change without notice



Note: SPP and SPG grommets can be used on all the cable passing frames of the DETASULTRA series.

Cable Passing Frames - DES

The DetasUltra system includes various cable passing DES Frames so that you can combine multiple grommets into one frame.



Features and specifications:

- **Colour:** Black
- **Assembly:** Allen screw (4mm Allen wrench)
- **Frame Material:** Polypropylene + fiberglass
- **Screws:** Stainless Steel
- **Operating Temperature:** -40 to 155°C
- **Protection:** IP66 (DES 24MX - IP54), NEMA12, IK10
- **Approvals:** cURus (DES 24MX15 - cURus)

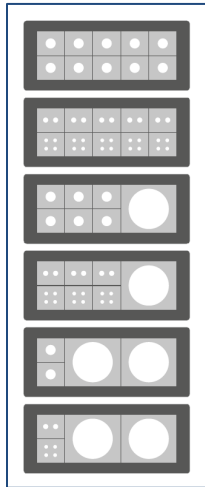
Cable Passing Frames (Order by Part No.)

Part No.	Model	Approvals	Multipole connector size equivalent	Use With	Accommodates	Protection
154.724	DES 24		24	SPG SPP SPP 2x SPP 4x DES Flap DES Cover	From 10 SPP to 2 SPG + 2 SPP	IP66 NEMA12 IK10
154.724-90	DES 24 90		24		From 10 SPP to 2 SPG + 2 SPP	
154.716	DES 16		16		From 8 SPP to 2 SPG	
154.710	DES 10		10		From 6 SPP to 1 SPG + 2 SPP	
154.708	DES Q		—		4 SPP or 1 SPG	
154.701	DES L1		—	SPP SPP 2x SPP 4x	1 SPP	
154.702	DES L2		—		2 SPP	
154.703	DES L3		—		3 SPP	
154.704	DES L4		—		4 SPP	
154.705	DES L5		—		5 SPP	
154.751 154.752 154.753 154.754 154.755	DES 24M DES 24MX2 DES 24MX3 DES 24MX4 DES 24MX15		24 X 1 24 x 2 24 x 3 24 x 4 —	SPG SPP SPP 2x SPP 4x	From 20 SPP to 4 SPG + 4 SPP	IP54 NEMA12 IK10

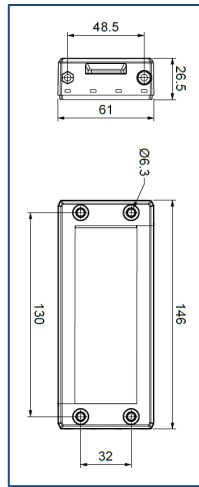
Information subject to change without notice
For dimensions and cut-outs, See pages 12 to 14

Cable passing frames include the assembly screws, and mounting screws can be ordered separately. Contact ITC for details.

DES 24



Sample configurations



Dimensions

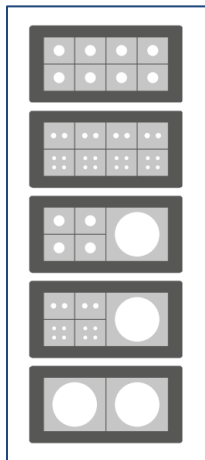


154.724 DES 24

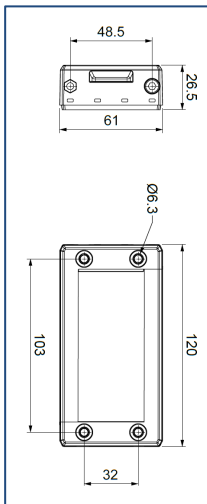


154.724-90 DES 24 90

DES 16



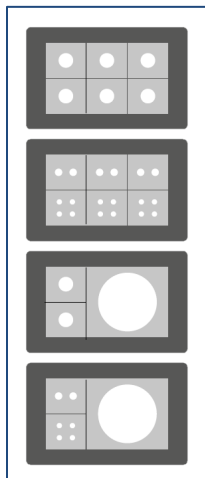
Sample configurations



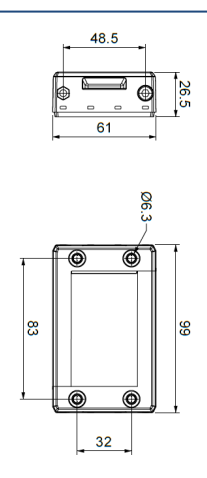
Dimensions



DES 10



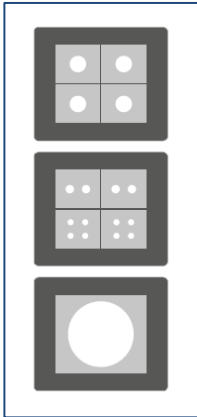
Sample configurations



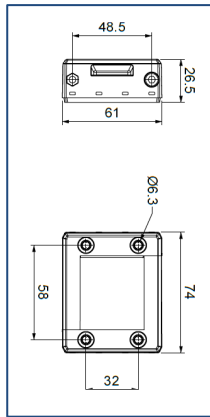
Dimensions



DES Q



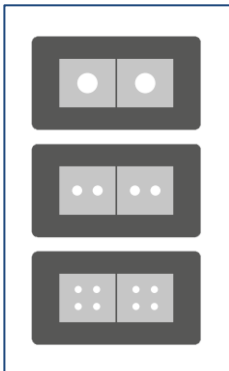
Sample configurations



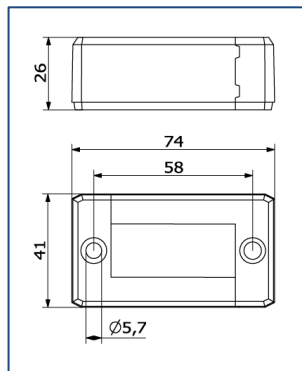
Dimensions



DES L2



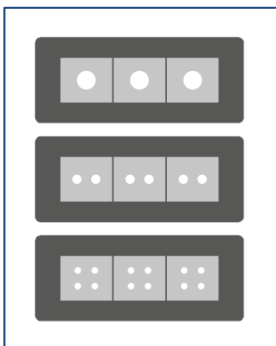
Sample configurations



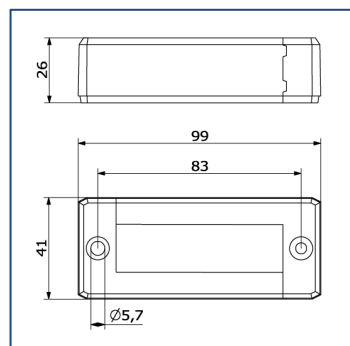
Dimensions



DES L3



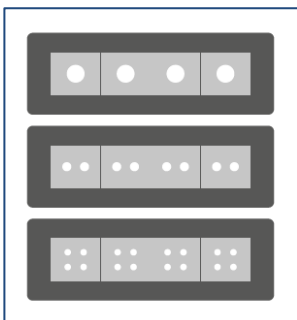
Sample configurations



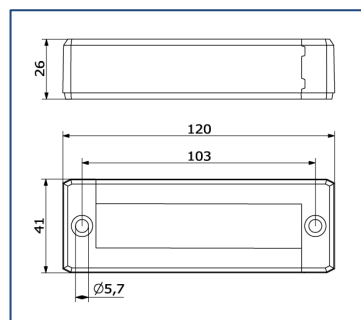
Dimensions



DES L4



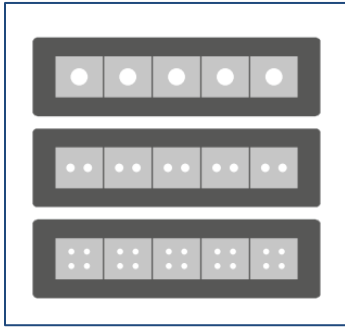
Sample configurations



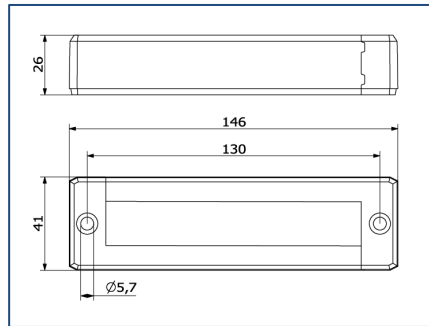
Dimensions



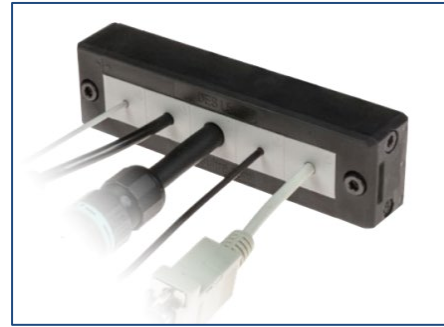
DES L5



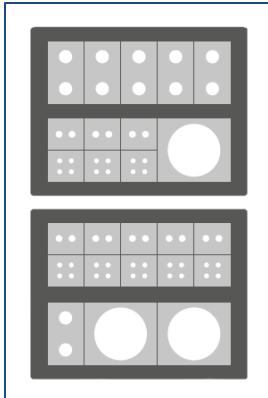
Sample configurations



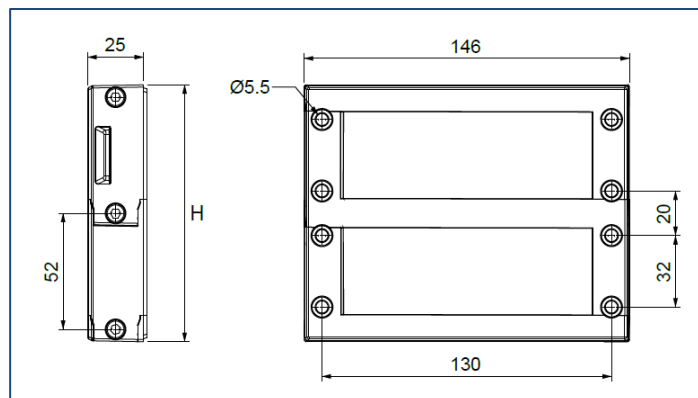
Dimensions



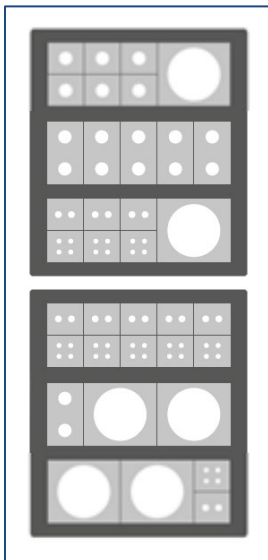
DES 24MX



Sample DES 24MX2 configurations



Dimensions



Sample DES 24MX3 configurations



DES 380 cable passing frames

The DES 380 splittable frame family includes the DES 380M and MX and is a modular solution for big size cables and corrugated pipes installations on electrical cabinets or machinery. The system allows cable or corrugated pipes with diameter from 36 to 66 mm diameter to be secured in the cabinet entrance with full strain relief and fast mounting.

DES 380 Cable Passing Frames (Order by Part No.)

Part No.	Model	Approvals	Cut Out Dimensions (mm)	Maximum Opening (mm)	Use With Grommets	Protection
154.380	DES 380M		116 x 116	72 x 72	SPH	IP54 NEMA12 IK10
154.380MX2	DES 380MX2		210.5 x 116	116.5 x 72	SPH	
154.380MX3	DES 380MX3		305 x 116	261 x 72	SPH	
154.380MX4	DES 380MX4		399.5 x 116	355.5 x 72	SPH	

Information subject to change without notice
For dimensions and cut-outs, See pages 9 to 11



SPH Grommets for DES 380 Series (Order by Part No.)

Cable Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Pack Qty
Blind		DE-SPH 0G	DE-SPH 0B	1
36-39		DE-SPH 38G	DE-SPH 38B	1
41-44		DE-SPH 42G	DE-SPH 42B	1
43-48		DE-SPH 46G	DE-SPH 46B	1
47-51		DE-SPH 50G	DE-SPH 50B	1
52-56		DE-SPH 54G	DE-SPH 54B	1
56-60		DE-SPH 58G	DE-SPH 58B	1
60-65		DE-SPH 62G	DE-SPH 62B	1

Information subject to change without notice

DES Flap

The DES FLAP solution is a quick installation solution for the DES 24, 16, 10 and Q frames. Quick modifications are possible. This solution also allows for a significant space reduction.

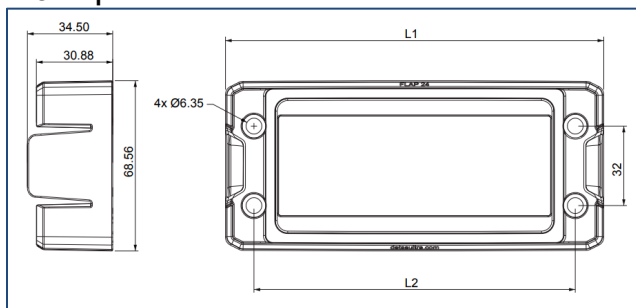
DES Flap (Order by Part No.)

Part No.	Approvals	Model	Dimensions (L1 x L2 mm)	Max Cut-out (mm)	Protection	Pack Qty
154.808		DES FLAP Q	81 x 58	40 x 39	IP66 NEMA12	10
154.810		DES FLAP 10	106 x 83	63 x 63		10
154.816		DES FLAP 16	127 x 103	86 x 39		10
154.824		DES FLAP 24	153 x 130	112 x 39		10

Information subject to change without notice

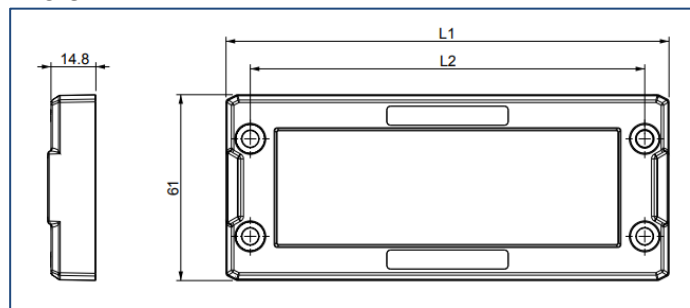


DES Flap Dimensions



Information subject to change without notice

DES Cover Dimensions



Information subject to change without notice

DES Cover

With the DES COVER series, unused panels holes can be covered and protected from liquids and dust.

DES Cover (Order by Part No.)

Part No.	Model	Dimensions (L1 x L2 mm)	Protection	Pack Qty
154.828	DES COVER Q	74 x 58	IP66 NEMA12	10
154.830	DES COVER 10	99 x 83		10
154.836	DES COVER 16	120 x 103		10
154.844	DES COVER 24	146 x 130		10

Information subject to change without notice



Hygienic Cable Entry Frames



The DES 24 CLEAN splittable frame features an FDA PC mask that fixed onto the frame via over-molded inserts to meet the Hygienic design needs of food machines. The absence of sharp corners, screw seats and the ease of cleaning and removing dirt make DES24 Clean a unique solution. 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.



Hygienic Frame (Order by Part No.)

Part No.	Model	Approvals	Multipole connector size equivalent	Use With	Accommodates	Protection
154.724C	DES 24 Clean		24	SPP C SPG C	From 10 SPP to 2 SPG + 2 SPP	Up to IP66

Information subject to change without notice

SPP & SPG C Clean Grommets with Extended Range (Order by Part No.)

Cable Size Range (mm)	Approvals	Part No. (Blue)	Pack Qty
Blind		DE-SPP-0C	10
2 - 3		DE-SPP-2C	10
3 - 6		DE-SPP R1C	10
6 - 9		DE-SPP R2C	10
9 - 12		DE-SPP R3C	10
12 - 15		DE-SPP R4C	10
16 - 17		DE-SPP-16C	10
2 x 2		DE-SPP-2X2C	10
2 x 3		DE-SPP-2X3C	10
2 x 4		DE-SPP-2X4C	10
2 x 5		DE-SPP-2X5C	10
2 x 6		DE-SPP-2X6C	10
2 x 7		DE-SPP-2X7C	10
2 x 8		DE-SPP-2X8C	10
4 x 2		DE-SPP-4X2C	10
4 x 3		DE-SPP-4X3C	10
4 x 4		DE-SPP-4X4C	10
4 x 5		DE-SPP-4X5C	10
4 x 6		DE-SPP-4X6C	10

Information subject to change without notice

Cable Size Range (mm)	Approvals	Part No. (Blue)	Pack Qty
Blind		DE-SPG-0C	10
18 - 19		DE-SPG-18C	10
19 - 20		DE-SPG-19C	10
20 - 21		DE-SPG-20C	10
21 - 22		DE-SPG-21C	10
22 - 23		DE-SPG-22C	10
23 - 24		DE-SPG-23C	10
24 - 25		DE-SPG-24C	10
25 - 26		DE-SPG-25C	10
26 - 27		DE-SPG-26C	10
27 - 28		DE-SPG-27C	10
28 - 29		DE-SPG-28C	10
29 - 30		DE-SPG-29C	10
30 - 31		DE-SPG-30C	10
31 - 32		DE-SPG-31C	10
32 - 33		DE-SPG-32C	10
33 - 34		DE-SPG-33C	10
34 - 35		DE-SPG-34C	10

Information subject to change without notice

Cable Entry Plates

The DetasUltra system includes various cable passing plates so that you can combine multiple cables and wires - without connectors.

The DES PM and PDM system 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 (PDM series) increases the strain relief and liquid resistance.

Features and specifications:

- **Colour:** Grey, Black
- **Material:** Thermoplastic elastomers
- **Operating Temperature:** -40 to 110°C
- **Protection:** IP66, IP68, NEMA12
- **Approvals:** cURus

DES PDM 24 Cable Entry Plates with Internal Frame and Double Membrane (Order by Part No.)

# of Cables Size Range (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)		Pack Qty
				Cut-out	Plate	
10 2.8-6.5 4 14.5-22		DES PDM 24/14G	DES PDM 24/14B	112 x 36	148.6 x 59.6	10
15 6.8-12		DES PDM 24/15G	DES PDM 24/15B	112 x 36	148.6 x 59.6	10
8 2.8-6.5 4 4.4-9.7 2 8.6-16.2 2 14.5-22		DES PDM 24/16G	DES PDM 24/16B	112 x 36	148.6 x 59.6	10
6 2.8-6.5 6 4.6-10.2 5 8.6-16.2		DES PDM 24/17G	DES PDM 24/17B	112 x 36	148.6 x 59.6	10
12 2.8-6.5 7 4.4-9.7 6 6.8-12		DES PDM 24/25G	DES PDM 24/25B	112 x 36	148.6 x 59.6	10
21 2.8-6.5 8 4.6-10.2 3 6.8-12		DES PDM 24/32G	DES PDM 24/32B	112 x 36	148.6 x 59.6	10
42 2.8-6.5		DES PDM 24/42G	DES PDM 24/42B	112 x 36	148.6 x 59.6	10
120 1.75-4.7 4 2.3-6		DES PDM 24/124G	DES PDM 24/124B	112 x 36	148.6 x 59.6	10



Information subject to change without notice

DES PDM S Cable Entry Plates with Internal Frame and Double Membrane (Order by Part No.)

# of Cables Size Range (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)		Pack Qty
				Cut-out	Plate	
7 6.8-12		DES PDM S 112/7G	DES PDM S 112/7B	112 x 18	150 x 32	10
22 3.2-6.5		DES PDM S 112/22G	DES PDM S 112/22B	112 x 18	150 x 32	10

Information subject to change without notice



DES PM 24 Cable Entry Plates with Internal Frame and Double Membrane (Order by Part No.)

# of Cables Max Size (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)		Pack Qty
				Cut-out	Plate	
4 6.5 5 10.5 5 12.6 4 16.1		DES PM 24/18G	DES PM 24/18B	112 x 36	144 x 46	10

Information subject to change without notice; PM series: IP65



DES PDM Clean / Hygienic Entry Plates

The DES PDM CLEAN Family is mainly used in the food & pharmaceutical 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 holes location is guided by a laser printing which guarantees the front clean area during the operation. The first front membrane is lightly drilled with a small screwdriver, while the second parallel membrane acts as a reinforcement, ensuring a very high strain relief and water resistance.

Features and specifications:

- **Colour:** BLUE
- **Material:** Thermoplastic elastomers, halogen and silicone free
- **Internal reinforcing frame**
- **Mounting:** Snap or screws
- **Operating Temperature:** -40 to 80°C
- **Protection:** IP66
- **Approvals:** FDA compliant

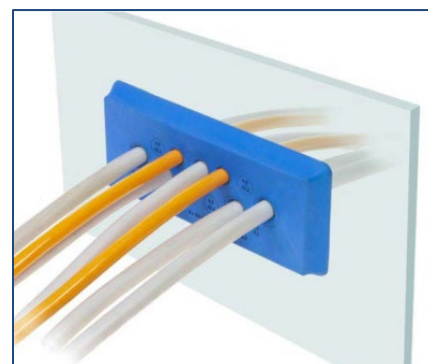
DES PDM CLEAN entry plates are mainly used in the food and pharmaceutical production industry due to the rounded shape without edges that prevents dirt accumulation and allows easy washing and thanks to the FDA-approved material used.

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

DES PDM 24 Clean Entry Plates (Order by Part No.)

# of Cables Size Max (mm)	Part No. (Blue)	Dimensions (mm)		Pack Qty
		Cut-out	Plate	
2 2.8-6.5mm 6 4.6-10.2mm 5 8.6-16.2mm	DES-PDM 24/13 CLEAN	112 x 36	155 x 66	1
12 2.8-6.5mm 7 4.4-9.7mm 6 6.8-12mm	DES-PDM 24/25CLEAN	112 x 36	155 x 66	1
21 2.8-6.5mm 8 4.6-10.2mm 3 6.8-12mm	DES-PDM 24/32 CLEAN	112 x 36	155 x 66	1

Information subject to change without notice



DES PDM M - Round cable entry plates with internal frame and double membrane

DES PDM M Round Cable Entry Plates with Double Membrane (Order by Part No.)

# of Cables Max Size (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)		Pack Qty
				Cut-out	Plate	
4 8		DES PDM M 25/4G	DES PDM M 25/4B	Min 25 Max 26 Rec 25.5	34	10
4 5.2 2 9.4		DES PDM M 25/6G	DES PDM M 25/6B	Min 25 Max 26 Rec 25.5	34	10
6 5.2 2 6.4 2 9.4		DES PDM M 32/10G	DES PDM M 32/10B	Min 32 Max 33 Rec 32.5	40	10
2 3.8 10 5.3 2 8.3 2 10.3		DES PDM M 40/16G	DES PDM M 40/16B	Min 40 Max 41 Rec 40.5	52	10
1 12 10 9.5		DES PDM M 40/9G	DES PDM M 40/9B	Min 40 Max 41 Rec 40.5	52	10
5 7 4 18.3		DES PDM M 50/9G	DES PDM M 50/9B	Min 50 Max 51 Rec 50.5	62	10
7 7 3 11.4 1 22		DES PDM M 50/11G	DES PDM M 50/11B	Min 50 Max 51 Rec 50.5	62	10
10 9 2 11.4		DES PDM M 50/12G	DES PDM M 50/12B	Min 50 Max 51 Rec 50.5	62	10
2 6 4 7.2 4 9.7 5 12		DES PDM M 50/15G	DES PDM M 50/15B	Min 50 Max 51 Rec 50.5	62	10
5 5.5 5 6.5 3 9.7 4 11.4		DES PDM M 50/17G	DES PDM M 50/17B	Min 50 Max 51 Rec 50.5	62	10
16 6.5 4 9.7		DES PDM M 50/20G	DES PDM M 50/20B	Min 50 Max 51 Rec 50.5	62	10



Information subject to change without notice
Other sizes available - contact ITC

DES PDMU - Round cable entry plates for single cable

DES PDMU Round Cable Entry Plates for Single Cables (Order by Part No.)

# of Cables Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)			Pack Qty
				Thread	Cut-out	Plate	
1 10.5		DES PDMU 20G	DES PDMU 20B	M20	20.5	36	10
1 16		DES PDMU 25G	DES PDMU 25B	M25	25.5	40	10
1 22		DES PDMU 32G	DES PDMU 32B	M32	32.5	46	10

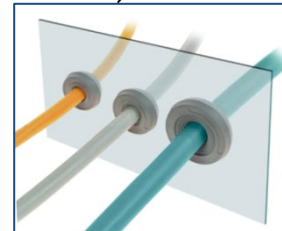


Information subject to change without notice

DES PMU - Round cable entry plates with double membrane for single cable

DES PMU - Round Cable Entry Plates with Double Membrane for Single Cables (Order by Part No.)

# of Cables Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)		Pack Qty
				Cut-out	Plate	
1 10		DES PMU 16G	DES PMU 16B	16.5	24	10
1 13		DES PMU 20G	DES PMU 20B	20.5	29	10
1 15		DES PMU 25G	DES PMU 25B	25.5	34	10
1 22		DES PMU 32G	DES PMU 32B	32.5	40	10



Information subject to change without notice

DES PM - Round cable entry plates with double membrane

DES PM M - Round Cable Entry Plates with Double Membrane for Multiple Cables

# of Cables Size Max (mm)	Approvals	Part No. (Grey)	Part No. (Black)	Dimensions (mm)		Pack Qty
				Cut-out	Plate	
4 8		DES PM M25/4G	DES PM M25/4B	25.5	34	10
4 5.2		DES PM M25/6G	DES PM M25/6B	25.5	34	10
2 9.4						
6 5.2		DES PM M32/10G	DES PM M32/10B	32.5	40	10
2 6.2						
2 9.4						
2 3.8		DES PM M40/16G	DES PM M40/16B	40.5	52	10
10 5.3						
2 8.3						
2 10.3						



Information subject to change without notice
Other sizes available - contact ITC

Punching Tools - ITC carries a full line of punching tools required for use with the cable entry systems in this catalog. Please contact ITC for detailed information.





ELECTRICAL COMPONENTS



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Connectors



Terminal Blocks



Terminal Strips &
Parallel Connectors



Interface Connectors



Pushbuttons &
Control Stations



Led Light bulbs
& Pilot Lights



Limit Switches



Micro Limit Switches



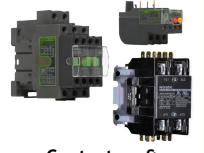
Safety Switches



Foot Switches



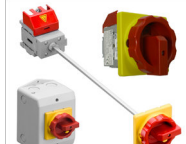
Circuit Breakers



Contactors &
Starters



Variable Frequency
Drives



Disconnect Switches



Fuses & Fuse Holders



Tower Lights &
Signalling Devices



Power Continuity



Ferrules



Colour Coded Lugs



Crimp Terminals



Termination Kits



Cable Glands



Thread Adapters



Cable Entry Systems



Wire Management



DIN Rail Cutters



Assembly Tables



Cutting & Stripping



Crimping Tools



Hole Cutting &
Punching Tools

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