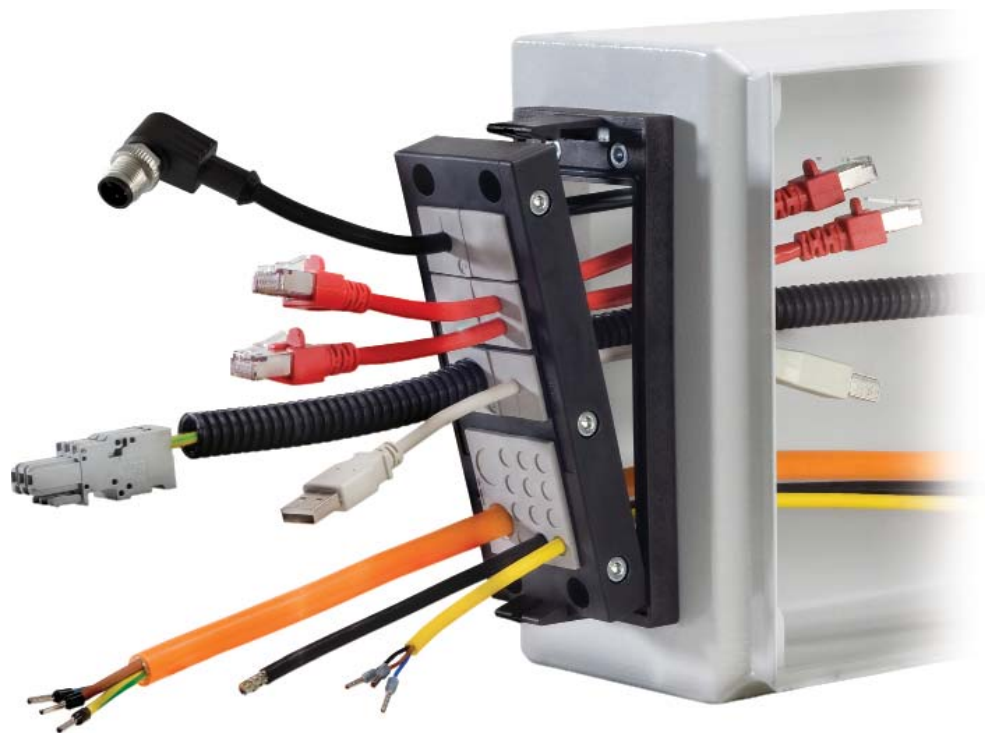


Cable Entry Systems EMC Solutions



innovative
creative
technology

Product Catalog

A Company of the icotek Group

2 Cable Entry Systems for Standard Cables



KEL-DPF

At a Glance ...

Even when entering standard cables icotek offers a wide range of products with a lot of advantages in comparison to conventional cable glands.

The compact, slim and innovative design of the icotek systems offer a professional appearance and high ingress protection classes up to IP68 / NEMA 4X.

Due to high packing densities especially suitable for applications where a lot of cables have to be entered through a small space.

Benefits ...

1. High Packing Density

The cable entry plates KEL-DPZ and KEL-DP offer the opportunity to enter a large amount of cables through a small space.

2. Fast and Easy Assembly

Installation of cables by pushing the cables through the thin, pierceable membrane.

3. No New Punch-Out Tools Required

The KEL-DP range matches exactly the drilling templates, as well as cut-outs according to the standard dimensions for multi-pole connectors (for example from Harting, Wieland).

4. Tight Seal

Depending on the product a very high sealing rate up to IP68 / NEMA 4X can be achieved.

5. Flexibility

Due to the large variety of designs and sizes available, there is a solution for every application.

6. Customized Solutions

If you can't find what you need in our standard product portfolio, custom solutions are available upon request.



KEL-DPZ



KEL-DPZ-KL

KEL-DPU 24

Heavy-Duty Cable Entry Plates with High Strain Relief



KEL-DPU 24 also available in black.



KEL-DPU 24 on request also available with threaded bushings.



Tool-free assembly possible due to plug-in function

Product Description

KEL-DPU entry plates are designed to route and seal standard cables (from 3.2 mm to 20.5 mm in diameter) in limited space with protection class IP65/IP66 and up to NEMA 4X.

The KEL-DPU is particularly characterized by its robust frame and the increased strain relief of the routed cables.

The KEL-DPU 24 matches exactly the cut-out dimensions of 24-pole standard industrial connectors.

The assembly of the KEL-DPU with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane and push standard cables through.

ST-B Plugs can be used for sealing pierced membranes if cables have been removed.



Description	Type	Order No.	Number of cables	PU
	KEL-DPU 24 13	<input type="checkbox"/> 43940 <input checked="" type="checkbox"/> 50940	10× 3.2 - 6.3 mm 3× 16 - 20.5 mm	10
	KEL-DPU 24 16	<input type="checkbox"/> 43936 <input checked="" type="checkbox"/> 50936	8× 3.2 - 5.5 mm 6× 5 - 8.5 mm 2× 9.5 - 14.5 mm	10
	KEL-DPU 24 16-1	<input type="checkbox"/> 43932 <input checked="" type="checkbox"/> 50932	2× 3.2 - 6.3 mm 9× 4 - 7.5 mm 1× 5.5 - 10.5 mm 1× 8 - 12.5 mm 3× 12 - 16.2 mm	10
	KEL-DPU 24 17	<input type="checkbox"/> 43934 <input checked="" type="checkbox"/> 50934	4× 3.2 - 6.3 mm 2× 4 - 7.5 mm 1× 5.5 - 10.5 mm 10× 8 - 12.5 mm	10

* Only valid for gray product types ** Wall thickness 1.5 - 2 mm

KEL-DPU 24

Heavy-Duty Cable Entry Plates with High Strain Relief



Membrane on front



Conical shape on back provides additional sealing and strain relief



IP66

Advantages

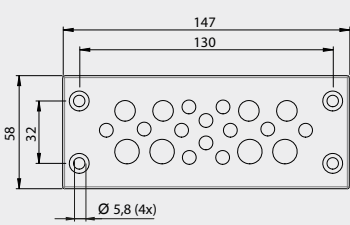
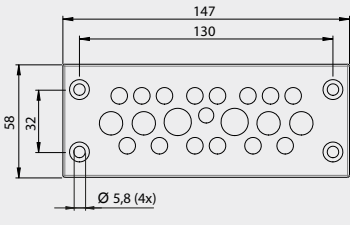
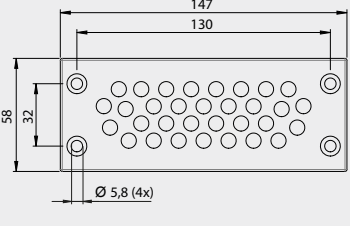
- Pluggable** / screwable
- Very high stability
- High strain relief
- Very easy assembly
- High packing density
- Double cable sealing with IP65/IP66/up to NEMA 4X
- Hygienic design - free of dirt-collecting recesses

Specifications

Material	Frame: Polypropylene (PP)
Colour	Sealing plate: Elastomer ■ gray (similar RAL 7035) ■ black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65/IP66 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	36 × 112 mm / page 176 - 177
Height KEL-DPU	14.5 mm

Accessories

ST-B Plugs	74
KEL-EMC-PF Cable collectors	119
FP Flanged plates	148 - 153

Type	Order No.	Number of cables	PU	Description
KEL-DPU 24 20	<input type="checkbox"/> 43938 <input checked="" type="checkbox"/> 50938	12× 3.2 - 5.5 mm 8× 5 - 10.5 mm	10	
KEL-DPU 24 21	<input type="checkbox"/> 43930 <input checked="" type="checkbox"/> 50930	1× 3.2 - 6.3 mm 14× 4 - 7.5 mm 4× 5.5 - 10.5 mm 2× 8 - 12.5 mm	10	
KEL-DPU 24 32	<input type="checkbox"/> 43942 <input checked="" type="checkbox"/> 50942	32× 3.2 - 6.3 mm	10	

* Only valid for gray product types ** Wall thickness 1.5 - 2 mm

KEL-DPZ 24

Cable Entry Plates



KEL-DPZ also available in black.



KEL-DPZ 24 on request also available with threaded bushings.



Membrane on front

Product Description

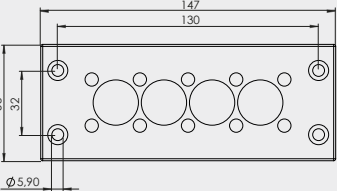
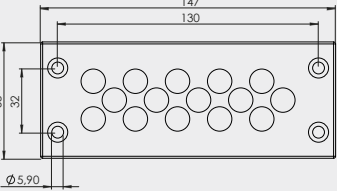
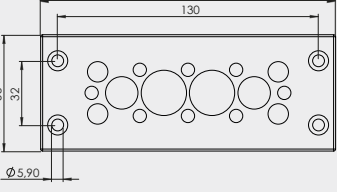
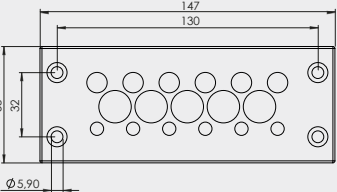
KEL-DPZ entry plates are designed to route and seal up to 121 standard cables or fiber optics (from 1.5 mm to 22 mm in diameter) in limited space.

The KEL-DPZ products are a cost and time saving alternative to traditional cable glands.

The assembly of the KEL-DPZ with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP65/IP66/NEMA 12) and strain relieved.

The size DPZ 24 matches exactly the cut-out dimensions of 24-pole standard industrial connectors.

ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

Description	Type	Order No.	Number of cables	PU
	KEL-DPZ 24 14	<input type="checkbox"/> 43700 <input checked="" type="checkbox"/> 50700	10× 3.2 - 6.5 mm 4× 16 - 22 mm	10
	KEL-DPZ 24 15	<input type="checkbox"/> 43720 <input checked="" type="checkbox"/> 50720	15× 7.2 - 12 mm	10
	KEL-DPZ 24 16	<input type="checkbox"/> 43725 <input checked="" type="checkbox"/> 50725	8× 3.2 - 6.5 mm 4× 5 - 9.7 mm 2× 9 - 16.2 mm 2× 16 - 22 mm	10
	KEL-DPZ 24 17	<input type="checkbox"/> 43705 <input checked="" type="checkbox"/> 50705	6× 3.2 - 6.5 mm 6× 5 - 10.2 mm 5× 9 - 16.2 mm	10

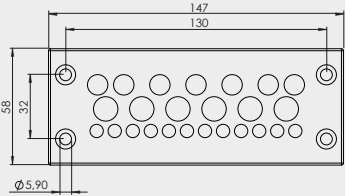
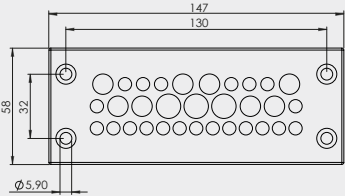
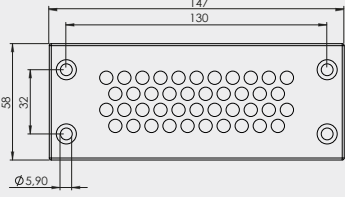
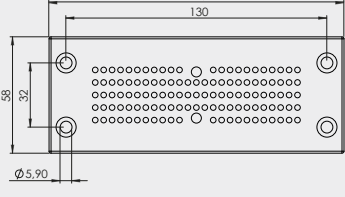
* Only valid for gray product types

KEL-DPZ 24 Cable Entry Plates



Conical shape on back provides additional sealing and strain relief



Type	Order No.	Number of cables	PU	Description
KEL-DPZ 24 25	<input type="checkbox"/> 43710 <input checked="" type="checkbox"/> 50710	12x 3.2 - 6.5 mm 7x 4.8 - 9.7 mm 6x 7.5 - 12 mm	10	
KEL-DPZ 24 32	<input type="checkbox"/> 43730 <input checked="" type="checkbox"/> 50730	21x 3.2 - 6.5 mm 8x 5 - 10.2 mm 3x 7.5 - 12 mm	10	
KEL-DPZ 24 42	<input type="checkbox"/> 43715 <input checked="" type="checkbox"/> 50715	42x 3.2 - 6.5 mm	10	
KEL-DPZ 24 121	<input type="checkbox"/> 43735 <input checked="" type="checkbox"/> 50735	119x 1.5 - 2.6 mm 2x 2.5 - 5 mm	10	

Advantages

- Assembly within seconds
- High packing density
- Dual sealing according to IP65/IP66/NEMA 12
- Automatic sealing and strain relief for the cable
- Hygienic design - free of dirt-collecting recesses

Specifications

Material	Frame: Polyamide (PA)
Color	Sealing plate: Elastomer <input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65/IP66 (certified according to DIN EN 60529:2000-09)
Temperature Properties	- 40°C to + 90°C (static) Halogen free, silicone free
Cut-out dimensions	36 x 112 mm / page 176 - 177
Height	10 mm / 14 mm**

Accessories

ST-B Plugs	74
KEL-EMC-PF Cable collectors	119
FP Flanged plates	148 - 153

* Only valid for gray product types.

**From January 2016. Only valid for gray product types.

KEL-DPZ-B

Cable Entry Plates



IP66



KEL-DPZ also available in black.



KEL-DPZ-B on request also available with threaded bushings.



Membrane on front

Product Description

The KEL-DPZ-B entry plates are designed for routing standard cables (without connectors).

The assembly of the KEL-DPZ-B with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP66/NEMA 12) and strain relieved.

With an area of only 46 × 46 mm, up to 25 cables can be easily routed and sealed according to IP66.

ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

Advantages

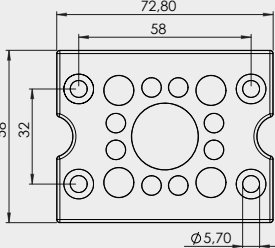
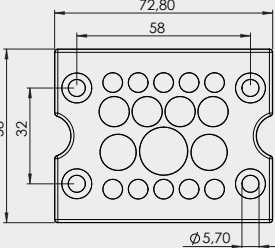
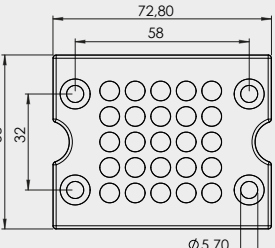
- Space saving shape
- Dual sealing of cables according to IP66
- High packing density
- Assembly within seconds
- Hygienic design - free of dirt-collecting recesses

Specifications

Material	Frame: Polyamide (PA) Sealing plate: Elastomer
Color	<div> <div></div> gray (similar RAL 7035) <div></div> black </div>
Flame class	UL94-Vo, self-extinguishing
Protection class	IP66 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	46 × 46 mm
Height	10 mm

Accessories

ST-B Plugs	74
FP Flanged plates	148 - 153

Description	Type	Order No.	Number of cables	PU
	KEL-DPZ-B 13	<div> <div></div> 43794 <div></div> 50794 </div>	8× 3.2 - 6.5 mm 4× 5 - 10.2 mm 1× 16 - 22 mm	10
	KEL-DPZ-B 17	<div> <div></div> 43796 <div></div> 50796 </div>	10× 3.2 - 6.5 mm 4× 5 - 10.2 mm 2× 7.5 - 12 mm 1× 9 - 16.2 mm	10
	KEL-DPZ-B 25	<div> <div></div> 43798 <div></div> 50798 </div>	25× 3.2 - 6.5 mm	10

* Only valid for gray product types

KEL-DPZ-E

Cable Entry Plates



Conical shape on back provides additional sealing and strain relief



KEL-DPZ also available in black.



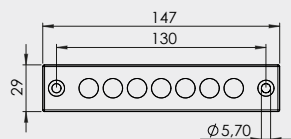
Description

Type

Order No.

Number of cables

PU

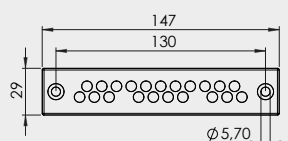


KEL-DPZ-E 112|7

□ 43780
■ 50780

7x 7.5 - 12 mm

10



KEL-DPZ-E 112|21

□ 43790
■ 50790

21x 3.2 - 6.5 mm

10

Product Description

KEL-DPZ-E is designed for routing standard cables (without connectors) in very small space.

The assembly of the KEL-DPZ-E with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP66/NEMA 12) and strain relieved.

With an area of only 18 × 112 mm, up to 21 cables can be easily routed and sealed according to IP66. ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

Advantages

- Space saving shape
- Dual sealing of cables according to IP66/NEMA 12
- High packing density
- Assembly within seconds
- Hygienic design - free of dirt-collecting recesses

Specifications

Material	Frame: Polyamide (PA)
Color	Sealing plate: Elastomer □ gray (similar RAL 7035) ■ black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP66 (certified according to DIN EN 60529:2000-09)
Temperature Properties	- 40°C to + 90°C (static) Halogen free, silicone free
Cut-out dimensions	18 × 112 mm / page 176 - 177
Height	10 mm

Accessories

ST-B Plugs	74
KEL-EMC-PF Cable collectors	119

* Only valid for gray product types

KEL-DPZ-KL

Cable Entry Plates



IP65



KEL-DPZ also available in black.



Membrane on front



Conical shape on back provides additional sealing and strain relief

Product Description

The cable entry plate KEL-DPZ-KL is designed for routing up to 72 standard cables (without connectors). The assembly of the KEL-DPZ-KL with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP65/ NEMA 12) and strain relieved. ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

The KEL-DPZ-KL matches on junction boxes KL from Rittal.

Advantages

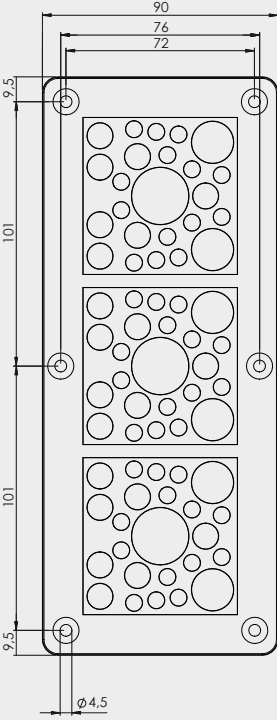
- Space saving shape
- Dual sealing of cables according to IP65/NEMA 12
- High packing density
- Assembly within seconds
- Hygienic design - free of dirt-collecting recesses

Specifications

Material	Support: Stainless steel V2A, molded with elastomer Sealing plate: Elastomer Screws: Stainless steel V2A
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	192 × 62 mm
Height	4 mm

Accessories

ST-B Plugs 74

Description	Type	Order No.	Number of cables	PU
	KEL-DPZ-KL72	<input type="checkbox"/> 43675.001 <input checked="" type="checkbox"/> 43675.101	42x 3.2 - 6.5 mm 21x 5 - 10.2 mm 6x 9 - 16.2 mm 3x 16 - 22 mm	1

* Only valid for gray product types

Typical Applications

Cable Entry Systems for Standard Cables



KEL-DPZ 24|x - Page 62 - 63
Routing of numerous cables with varying cable diameter sizes into a machine control panel. IP65 sealing is achieved. Additional membranes are available for future routing.



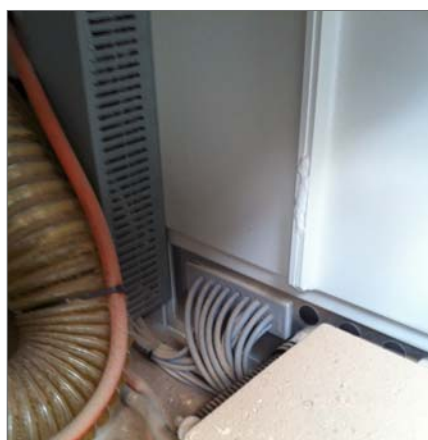
KEL-DPZ 24|x - Page 62 - 63 / **FP|AE 330** - Page 149
Routing of cables into an AE-enclosure. Use of pre-fabricated flange plates means easy installation and no expensive custom sheet metal work.



KEL-DPZ B25 - Page 64
Entering of cable bundle in a small space with high sealing rate IP66.



KEL-DPZ B25 - Page 64 / **KEL 24|7** - Page 16
Combination of split and push-through-systems for the routing of cables in an integrated electronic enclosure.



KEL-DP 24|50 - Page 70
Entering a large number of standard cables through a small space.



KEL-DP 50|16 - Page 73
Routing of cables, conduits and pipes with a single cable entry plate.

KEL-DPZ round Cable Entry Plates



KEL-DPZ also available in black.



Membrane on front



Conical shape on back provides additional sealing and strain relief

Product Description

KEL-DPZ entry plates are designed to route and seal standard cables or fiber optics (from 1.5 mm to 22 mm in diameter) in limited space.

The assembly of the KEL-DPZ with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP66 / IP67 / IP68/up to NEMA 4X) and strain relieved.

The round versions of the KEL-DPZ series have a thread to fit in metric cut-outs from M32 to M63. Thus cut-outs for standard metric cable glands can be used.

ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

Type	Order No.	Number of cables	Thread metric	External diameter	Height	PU
KEL-DPZ 32 4	<div> <div>43732</div> <div>50732</div> </div>	<div> <div>3× 3.2 - 6.5 mm</div> <div>1× 7.2 - 12.5 mm</div> </div>	M32	44 mm	8 mm	10
KEL-DPZ 32 4-2	<div> <div>43733</div> <div>50733</div> </div>	4× 5 - 9.5 mm	M32	44 mm	8 mm	10
KEL-DPZ 32 7	<div> <div>43734</div> <div>50734</div> </div>	7× 3.2 - 6.5 mm	M32	44 mm	8 mm	10
KEL-DPZ 40 8	<div> <div>43741</div> <div>50741</div> </div>	<div> <div>4× 3.2 - 6.5 mm</div> <div>4× 5 - 10.2 mm</div> </div>	M40	52 mm	8 mm	10
KEL-DPZ 50 8	<div> <div>43750</div> <div>50750</div> </div>	<div> <div>5× 5 - 10.2 mm</div> <div>3× 7.2 - 12.5 mm</div> </div>	M50	62 mm	8 mm	10
KEL-DPZ 50 10	<div> <div>43751</div> <div>50751</div> </div>	<div> <div>7× 3.2 - 6.5 mm</div> <div>2× 5 - 10.2 mm</div> <div>1× 16 - 22.2 mm</div> </div>	M50	62 mm	8 mm	10
KEL-DPZ 50 12	<div> <div>43752</div> <div>50752</div> </div>	<div> <div>4× 3.2 - 6.5 mm</div> <div>8× 5 - 10.2 mm</div> </div>	M50	62 mm	8 mm	10

* Only valid for gray product types

KEL-DPZ round Cable Entry Plates



IP68

Type	Order No.	Number of cables	Thread metric	External diameter	Height	PU
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KEL-DPZ 50 19	<input type="checkbox"/> 43758 <input checked="" type="checkbox"/> 50758	19× 3.2 - 6.5 mm	M50	62 mm	8 mm	10
KEL-DPZ 50 78	<input type="checkbox"/> 43756 <input checked="" type="checkbox"/> 50756	76× 1.5 - 2.6 mm 2× 2.5 - 5 mm	M50	62 mm	8 mm	10
KEL-DPZ 63 9	<input type="checkbox"/> 43760 <input checked="" type="checkbox"/> 50760	1× 3.2 - 6.5 mm 3× 5 - 10.2 mm 4× 9 - 16.2 mm 1× 16 - 22.2 mm	M63	75 mm	8 mm	10
KEL-DPZ 63 13	<input type="checkbox"/> 43761 <input checked="" type="checkbox"/> 50761	4× 3.2 - 6.5 mm 4× 5 - 10.2 mm 5× 9 - 16.2 mm	M63	75 mm	8 mm	10
KEL-DPZ 63 14	<input type="checkbox"/> 43762 <input checked="" type="checkbox"/> 50762	14× 5 - 10.2 mm	M63	75 mm	8 mm	10
KEL-DPZ 63 35	<input type="checkbox"/> 43763 <input checked="" type="checkbox"/> 50763	35× 3.2 - 6.5 mm	M63	75 mm	8 mm	10

* Only valid for gray product types

Advantages

- Assembly within seconds
- High packing density
- Automatic sealing and strain relief for the cable
- Suitable for standard or metric cut-outs
- Polyamide locknuts are included in the shipment
- Dual sealing of cables according to IP66 / IP67 / IP68 / up to NEMA 4X
- Hygienic design - free of dirt-collecting recesses

Specifications

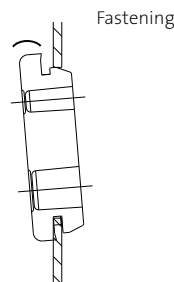
Material	Thread frame: Polyamide (PA)
Color	Sealing plate: Elastomer <input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP66 / IP67 / IP68 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Thread length	14 mm
Cut-out dim.	Metric standard sizes

Accessories

ST-B Plugs	74
FP Flanged plates	148 - 153
MP Module plates	146

KEL-DP 24

Cable Entry Plates



KEL-DP also available in black.

Product Description

KEL-DP entry plates are designed for routing standard cables (without connectors).

The KEL-DP products are a cost saving alternative to traditional cable glands. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP64 / up to NEMA 12).

A special fixing rib ensures a centered fit in the cut-outs. ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

Advantages

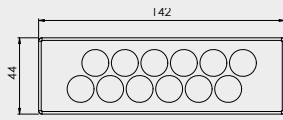
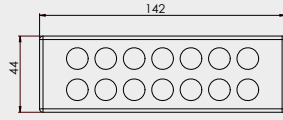
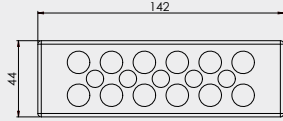
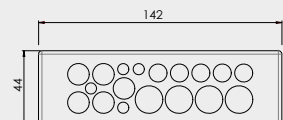
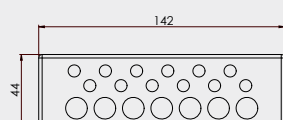
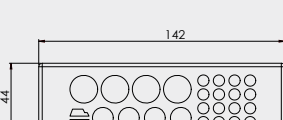
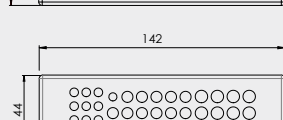
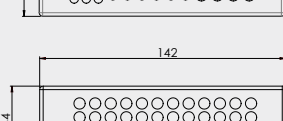
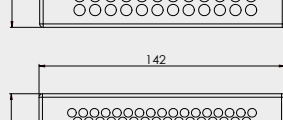
- Quick and easy assembly, no tools required
- High packing density
- Cost-effective
- Hygienic design
 - free of dirt-collecting recesses
- For wall thickness 1.5 - 4 mm

Specifications

Material	Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP64 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	36 × 112 mm
Height	5 mm
Type A:	For wall thickness 1.5 - 2.5 mm
Type B:	For wall thickness 2.8 - 4 mm

Accessories

ST-B Plugs	74
FP Flanged plates	148 - 153

Description	Type	Order No. Type A	Order No. Type B	Number of cables	PU
 KEL-DP 24 12		<input type="checkbox"/> 43508 <input checked="" type="checkbox"/> 50508		12× max. 15 mm	10
 KEL-DP 24 14		<input type="checkbox"/> 43512 <input checked="" type="checkbox"/> 50512	<input type="checkbox"/> 43522 <input checked="" type="checkbox"/> 50522	14× max. 12.1 mm	10
 KEL-DP 24 17		<input type="checkbox"/> 43514 <input checked="" type="checkbox"/> 50514	<input type="checkbox"/> 43523 <input checked="" type="checkbox"/> 50523	5× max. 10.5 mm 12× max. 12.6 mm	10
 KEL-DP 24 18		<input type="checkbox"/> 43515 <input checked="" type="checkbox"/> 50515	<input type="checkbox"/> 43528 <input checked="" type="checkbox"/> 50528	4× max. 6.5 mm 5× max. 10.5 mm 5× max. 12.6 mm 4× max. 16.1 mm	10
 KEL-DP 24 19		<input type="checkbox"/> 43516 <input checked="" type="checkbox"/> 50516	<input type="checkbox"/> 43524 <input checked="" type="checkbox"/> 50524	12× max. 6.5 mm 7× max. 12.1 mm	10
 KEL-DP 24 26		<input type="checkbox"/> 43518 <input checked="" type="checkbox"/> 50518	<input type="checkbox"/> 43525 <input checked="" type="checkbox"/> 50525	16× max. 6.5 mm 4× max. 12.1 mm 4× max. 16.1 mm 2× ASI-Leitungen	10
 KEL-DP 24 42		<input type="checkbox"/> 43511 <input checked="" type="checkbox"/> 50511	<input type="checkbox"/> 43521 <input checked="" type="checkbox"/> 50521	12× max. 7.2 mm 17× max. 6.4 mm 12× max. 5 mm 1× max. 4.7 mm	10
 KEL-DP 24 48		<input type="checkbox"/> 43519 <input checked="" type="checkbox"/> 50519	<input type="checkbox"/> 43526 <input checked="" type="checkbox"/> 50526	48× max. 6.5 mm	10
 KEL-DP 24 50		<input type="checkbox"/> 43520 <input checked="" type="checkbox"/> 50520	<input type="checkbox"/> 43527 <input checked="" type="checkbox"/> 50527	33× max. 5.3 mm 9× max. 6.4 mm 8× max. 8.3 mm	10

* Only valid for gray product types

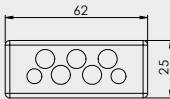
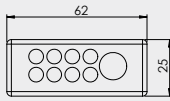
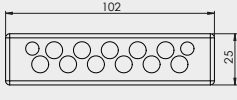
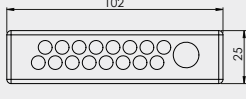
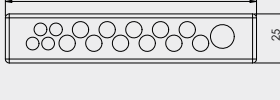
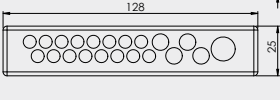
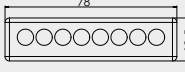
KEL-DP-E

Cable Entry Plates



KEL-DP also available in black.



Type	Order No.	Cut-out [mm]	Number of cables	PU	Description
KEL-DP-E 46 7	<input type="checkbox"/> 43585 <input checked="" type="checkbox"/> 50585	46 × 18	5× max. 8.3 mm 2× max. 6.5 mm	10	
KEL-DP-E 46 9	<input type="checkbox"/> 43587 <input checked="" type="checkbox"/> 50587	46 × 18	8× max. 6.5 mm 1× max. 12.1 mm	10	
KEL-DP-E 86 13	<input type="checkbox"/> 43581 <input checked="" type="checkbox"/> 50581	86 × 18	11× max. 8.3 mm 2× max. 6.5 mm	10	
KEL-DP-E 86 17	<input type="checkbox"/> 43583 <input checked="" type="checkbox"/> 50583	86 × 18	16× max. 6.5 mm 1× max. 12.1 mm	10	
KEL-DP-E 112 16	<input type="checkbox"/> 43576 <input checked="" type="checkbox"/> 50576	112 × 18	4× max. 6.5 mm 11× max. 8.3 mm 1× max. 12.1 mm	10	
KEL-DP-E 112 21	<input type="checkbox"/> 43578 <input checked="" type="checkbox"/> 50578	112 × 18	16× max. 6.5 mm 4× max. 8.3 mm 1× max. 12.1 mm	10	
KEL-DP-S 69 8	<input type="checkbox"/> 43591 <input checked="" type="checkbox"/> 50591	69 × 10 Edge radii R2	8× max. 7.5 mm	10	

* Only valid for gray product types

Product Description

KEL-DP-E entry plates are designed for routing standard cables (without connectors). The KEL-DP products are a cost saving alternative to traditional cable glands.

Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP64 / up to NEMA 12).

ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

A special fixing rib ensures a centered fit in the cut-outs.

Advantages

- Quick and easy assembly, no tools required
- High packing density
- Cost-effective
- Hygienic design
 - free of dirt-collecting recesses
- For wall thickness 1.5 - 2.5 mm

Specifications

Material	Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP64 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Height	5 mm

Accessories

ST-B Plugs 74

KEL-DP round Cable Entry Plates



KEL-DP also available in black.



Membrane on front



Special fixing ribs ensure a centered fit.

Product Description

KEL-DP entry plates are designed for routing standard cables (without connectors).

The KEL-DP products are a cost saving alternative to traditional cable glands.

Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP65 / up to NEMA 12).

ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

Special fixing ribs ensure a centered fit in the cut-outs.

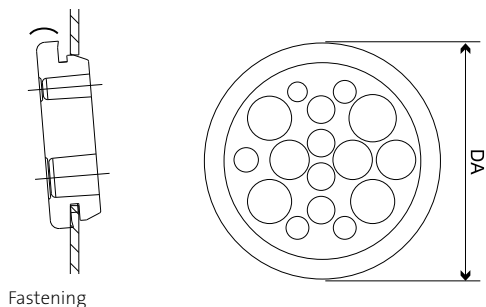
Advantages

- Quick and easy assembly, no tools required
- High packing density
- Cost-effective
- For wall thickness 1.5 - 4 mm
- Hygienic design - free of dirt-collecting recesses

Type	Order No. Type A	Order No. Type B	Number of cables	Cut-out	External diameter DA	PU
KEL-DP 25 4	<div> <div>43533</div> <div>50533</div> </div>	-	4× max. 8 mm	ø 25 mm	32 mm	10
KEL-DP 25 6	<div> <div>43531</div> <div>50531</div> </div>	-	4× max. 5.2 mm 2× max. 9.4 mm	ø 25 mm	32 mm	10
KEL-DP 32 10	<div> <div>43532</div> <div>50532</div> </div>	<div> <div>43560</div> <div>50560</div> </div>	6× max. 5.2 mm 2× max. 6.4 mm 2× max. 9.4 mm	ø 32 mm	38 mm	10
KEL-DP 50 9	<div> <div>43554</div> <div>50554</div> </div>	<div> <div>43568</div> <div>50568</div> </div>	5× max. 7 mm 4× max. 18 mm	ø 50 mm	60 mm	10
KEL-DP 50 11	<div> <div>43555</div> <div>50555</div> </div>	<div> <div>43569</div> <div>50569</div> </div>	7× max. 7.2 mm 3× max. 11.2 mm 1× max. 22.5 mm	ø 50 mm	60 mm	10

* Only valid for gray product types

KEL-DP round Cable Entry Plates



Fastening



Type	Order No. Type A	Order No. Type B	Number of cables	Cut-out	External diameter DA	PU
KEL-DP 50 12	<input type="checkbox"/> 43551 <input checked="" type="checkbox"/> 50551	<input type="checkbox"/> 43562 <input checked="" type="checkbox"/> 50562	10× max. 9.2 mm 2× max. 11.2 mm	Ø 50 mm	60 mm	10
KEL-DP 50 16	<input type="checkbox"/> 43550 <input checked="" type="checkbox"/> 50550	<input type="checkbox"/> 43564 <input checked="" type="checkbox"/> 50564	4× max. 5.3 mm 5× max. 6.3 mm 3× max. 9.5 mm 4× max. 11.3 mm	Ø 50 mm	60 mm	10
KEL-DP 50 18	<input type="checkbox"/> 43553 <input checked="" type="checkbox"/> 50553	<input type="checkbox"/> 43567 <input checked="" type="checkbox"/> 50567	2× max. 4 mm 2× max. 6 mm 4× max. 7.2 mm 5× max. 9.4 mm 5× max. 12 mm	Ø 50 mm	60 mm	10
KEL-DP 50 20	<input type="checkbox"/> 43552 <input checked="" type="checkbox"/> 50552	<input type="checkbox"/> 43566 <input checked="" type="checkbox"/> 50566	16× max. 6.3 mm 4× max. 9.3 mm	Ø 50 mm	60 mm	10
KEL-DP 50 35	<input type="checkbox"/> 43556 <input checked="" type="checkbox"/> 50556	<input type="checkbox"/> 43570 <input checked="" type="checkbox"/> 50570	35× max. 5.2 mm	Ø 50 mm	60 mm	10

* Only valid for gray product types

Specifications

Material	Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	Metric standard sizes
Height	5 mm
Type A:	For wall thickness 1.5 - 2.5 mm
Type B:	For wall thickness 2.8 - 4 mm

Accessories

ST-B Plugs	74
FP Flanged plates	148 - 153

ST-B

Plugs for Membranes



Product Description

Plugs ST-B are used to seal already pierced membranes in various cable entry plates (KEL-DPZ / KEL-DP / KEL-QTA-DP) and DT grommets.

Perfect for applications where cables have been removed.

Advantages

- Sealing of pierced cable entry membranes which are no longer in use

Specifications

Material	Polyamide (PA), white
Flame class	UL94-Vo, self-extinguishing
Temperature	- 40°C to + 120°C
Properties	Halogen free, silicone free

Fits with

KEL-DPZ Cable entry plates	62 - 69
KEL-DP Cable entry plates	70 - 73
DT Cable entry grommets	42
KEL-QTA-DP Cable entry frames	54

Type	Order No.	Diameter D1	Diameter D2	Length L	PU
ST-B 6	42806	8 mm	6 mm	16 mm	25
ST-B 10	42810	12 mm	10 mm	16 mm	25
ST-B 12	42812	15 mm	12 mm	16 mm	25
ST-B 16	42816	19 mm	16 mm	16 mm	25
ST-B 22	42822	25 mm	22 mm	21 mm	25
Assortment ST-B Plugs	42801	5× ST-B 6 5× ST-B 10 2× ST-B 12 1× ST-B 16 1× ST-B 22			



KEL-DPF Cable Entry Grommets



IP68

Type	Order No.	Thread metric	External diameter	Clamping range	PU
KEL-DPF 25 3-17	<input type="checkbox"/> 42652 <input checked="" type="checkbox"/> 50652	M25	39 mm	3 - 17 mm	5
KEL-DPF 32 6-24	<input type="checkbox"/> 42653 <input checked="" type="checkbox"/> 50653	M32	46 mm	6 - 24 mm	5
KEL-DPF 40 11-32	<input type="checkbox"/> 42654 <input checked="" type="checkbox"/> 50654	M40	54 mm	11 - 32 mm	5
KEL-DPF 50 17-42	<input type="checkbox"/> 42655 <input checked="" type="checkbox"/> 50655	M50	64 mm	17 - 42 mm	5
KEL-DPF 63 23-55	<input type="checkbox"/> 42656 <input checked="" type="checkbox"/> 50656	M63	77 mm	23 - 55 mm	5

* Only valid for gray product types

Product Description

The KEL-DPF was developed particularly for routing large or unknown sizes of service cables into the enclosure / machine. Due to the flexibility and unique pyramid shape, cable entry and flexible positioning is much easier compared to using conventional cable glands.

Cutting of DPF grommets:

- Cable diameter less 25%
- The corresponding diameters are marked on the grommet

It is recommended to additionally strain relieve routed supply lines.

Advantages

- Tool-free assembly within seconds
- It is possible to install rigid cables at angles
- Suitable for standard or metric cut-outs
- Polyamide locknuts are included in the shipment

Specifications

Material	Thread frame: Polyamide (PA) Pyramid: Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP66 / IP68 (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Thread length	14 mm
Cut-out dimensions	Metric standard sizes

Accessories

FP Flanged plates	148 - 153
MP Module plates	146

KEL-JUMBO flex

Cable Entry Grommets



Product Description

The KEL-JUMBO flex is a flexible cable entry grommet for standard cables with a diameter range from 27 - 68 mm.

They are ideal for the routing supply cables into the electronic enclosures.

Cutting of KEL-JUMBO flex grommets:

- Cable diameter less 25%
- The corresponding diameters are marked on the grommet

It is recommended to additionally strain relieve routed supply lines.

Advantages

- Assembly within seconds
- Grommets allow dynamic and flexible movement of rigid cables
- Small assembly area (88 × 88 mm)

Specifications

Material	Frame: Polyamide (PA) Pyramid: Elastomer
Flame class	UL94-Vo, self-extinguishing
Protection class	IP54
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	Round, Ø-cable +20%

Accessories

MP Module plates	146
BP Blind plates	154 - 155

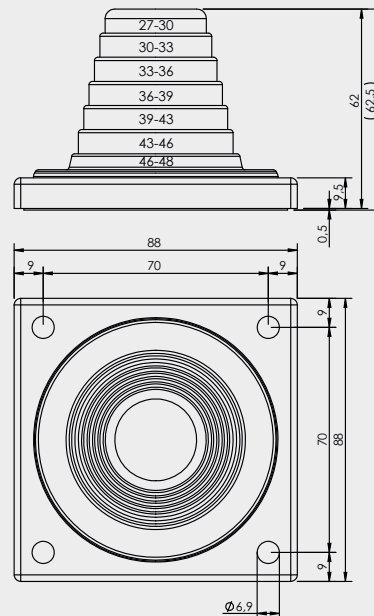
Description

Type

Order No.

Clamping range

PU

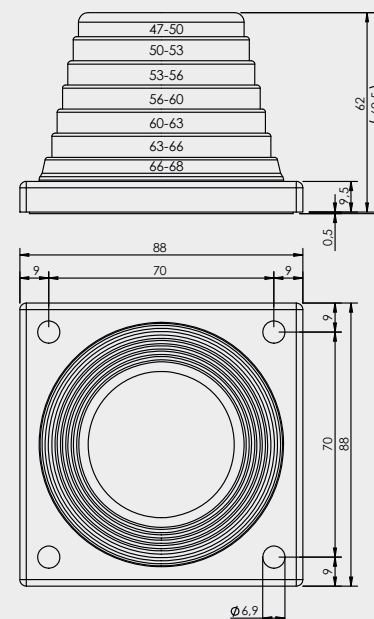


KEL-JUMBO
flex 27-48

42614

27 - 48 mm

1



KEL-JUMBO
flex 47-68

42616

47 - 68 mm

1

KEL-ULTRA flex Cable Entry Grommets



IP66

Type	Order No.	Sealing range	PU
KEL-ULTRA flex 1 incl. Fixing screws	42630	25 - max. 90 mm cable diameter	1
KEL-ULTRA flex 2 incl. Fixing screws	42631	75 - max. 115 mm cable diameter	1

Product Description

The KEL-ULTRA flex is designed as a cable entry grommet for power supply cables or any large cable or conduit that is difficult to manage. The KEL-ULTRA flex comes in two sizes and is ideal for routing and sealing cables and conduits with a diameter from 25 to 115 mm. Due to the high flexibility of the elastomer pyramid, inserting large, thick cables with KEL-ULTRA flex is easier than using standard cable glands. After inserting the cable or conduit, the KEL-ULTRA flex is quickly and easily mounted with the metal ring and screws. This ring enables a circular fixing and sealing of the grommet at the enclosure wall. The ring is supplied with each KEL-ULTRA flex. Cutting of grommets: Cable diameter less 25%. It is recommended to additionally strain relieve routed supply lines.

Advantages

- Assembly within seconds
- Grommets allow dynamic and flexible movement of rigid cables
- Protection class IP66 / up to NEMA 12

Specifications

Material	Pyramid: Elastomer Fixing metal ring: Steel, zinc-plated Blind plate: Steel, zinc-plated
Flame class	UL94-Vo, self-extinguishing
Protection class	IP66, when fastened with 8 screws (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 90°C (static)
Properties	Halogen free, silicone free
Cut-out dimension	ø-cable +30%, max. ø 140 mm

Accessories

MP Module plates	146
BPM Blind plates	155

KT-DPF | KTMB | DT ATEX

Cable Grommets, Multi-Range



Product Description

The KTMB / KT-DPF ATEX grommets accept a wide range of cable diameters. A great benefit when the exact cable diameter is not known in advance. The KTMB ATEX grommets are not split and therefore only usable for cables without connectors. Cutting of KT-DPF ATEX grommets: Cable diameter less 20%.

For application in Ex atmospheres, cable grommets can only be used in gray (RAL 7035)!

The DT ATEX cable grommets are designed for standard cables (without connectors). A large number of cables can be routed utilizing minimal space. DT ATEX grommets are designed to fit in KT ATEX large grommet spaces

Advantages

- Combination of routing pre-terminated and standard cables with one cable entry frame
- Enables sub-assembly of cable harnesses
- High packing density (DT ATEX)
- Grommets allow dynamic and flexible movement of rigid cables

Specifications

Material	Elastomer
Flame class	UL94-Vo, self-extinguishing
Temperature	- 30°C to + 90°C (static)
Equipment group	II
Category	2G, 3G, 2D, 3D
Zone	1 + 21, 2+22
Test standard	EN 60079-0
Properties	Halogen free, silicone free

Description	Type	Page	Clamping range
	KT-DPF-A	41	3 - 12 mm
	KT-DPF-B	41	4 - 18 mm
	KT-DPF-C	41	14 - 26 mm
	KTMB-A	41	2.5 - 6.5 mm
	KTMB-B	41	4 - 7.5 mm
	KTMB-C	41	6.5 - 10 mm
	KTMB-D	41	9.5 - 13 mm
	KTMB-E	41	13 - 16 mm
	KTMB-G	41	13 - 18 mm
	KTMB-H	41	18 - 23 mm
	KTMB-I	41	23 - 28 mm
	KTMB-J	41	28 - 33 mm
	KTMB-K	41	2x 13 - 18 mm
	DT 1	42	12x max. 6.5 mm 2x max. 12.2 mm
	DT 2	42	16x max. 7.1 mm
	DT 3	42	4x max. 6.5 mm 3x max. 9.5 mm 3x max. 11.3 mm
	DT 4	42	9x max. 9.5 mm

up to
IP66up to
NEMA
12

GL

HL3
EN 45545-2ECOLAB
certifiedRoHS
compliantMade in
Germany

KEL-DPZ ATEX

Cable Entry Plates



Membrane on front



Conical shape on back provides additional sealing.



Type	Order No.	Cut-out	Number of cables	Protection class	PU
KEL-DPZ 24 14 ATEX	<input type="checkbox"/> 49201 <input checked="" type="checkbox"/> 49211	36 × 112 mm	10× 3.2 - 6.5 mm 4× 16 - 22 mm	IP66 IP65	10
KEL-DPZ 24 15 ATEX	<input type="checkbox"/> 49205 <input checked="" type="checkbox"/> 49215	36 × 112 mm	15× 7.2 - 12 mm	IP66 IP65	10
KEL-DPZ 24 16 ATEX	<input type="checkbox"/> 49206 <input checked="" type="checkbox"/> 49216	36 × 112 mm	8× 3.2 - 6.5 mm 4× 5 - 9.7 mm 2× 9 - 16.2 mm 2× 16 - 22 mm	IP66 IP65	10
KEL-DPZ 24 17 ATEX	<input type="checkbox"/> 49202 <input checked="" type="checkbox"/> 49212	36 × 112 mm	6× 3.2 - 6.5 mm 6× 5 - 10.2 mm 5× 9 - 16.2 mm	IP66 IP65	10
KEL-DPZ 24 25 ATEX	<input type="checkbox"/> 49203 <input checked="" type="checkbox"/> 49213	36 × 112 mm	12× 3.2 - 6.5 mm 7× 4.8 - 9.7 mm 6× 7.5 - 12 mm	IP66 IP65	10
KEL-DPZ 24 32 ATEX	<input type="checkbox"/> 49207 <input checked="" type="checkbox"/> 49217	36 × 112 mm	21× 3.2 - 6.5 mm 8× 5 - 10.2 mm 3× 7.5 - 12 mm	IP66 IP65	10
KEL-DPZ 24 42 ATEX	<input type="checkbox"/> 49204 <input checked="" type="checkbox"/> 49214	36 × 112 mm	42× 3.2 - 6.5 mm	IP66 IP65	10
KEL-DPZ 24 121 ATEX	<input type="checkbox"/> 49208 <input checked="" type="checkbox"/> 49218	36 × 112 mm	119× 1.5 - 2.6 mm 2× 2.5 - 5 mm	IP66 IP65	10
KEL-DPZ-B 13 ATEX	<input type="checkbox"/> 49311 <input checked="" type="checkbox"/> 49317	46 × 46 mm	8× 3.2 - 6.5 mm 4× 5 - 10.2 mm 1× 16 - 22 mm	IP66	10
KEL-DPZ-B 17 ATEX	<input type="checkbox"/> 49312 <input checked="" type="checkbox"/> 49318	46 × 46 mm	10× 3.2 - 6.5 mm 4× 5 - 10.2 mm 2× 7.5 - 12 mm 1× 9 - 16.2 mm	IP66	10
KEL-DPZ-B 25 ATEX	<input type="checkbox"/> 49313 <input checked="" type="checkbox"/> 49319	36 × 112 mm	25× 3.2 - 6.5 mm	IP66	10
KEL-DPZ-E 112 7 ATEX	<input type="checkbox"/> 49301 <input checked="" type="checkbox"/> 49306	18 × 112 mm	7× 7.5 - 12 mm	IP66	10
KEL-DPZ-E 112 21 ATEX	<input type="checkbox"/> 49302 <input checked="" type="checkbox"/> 49307	18 × 112 mm	21× 3.2 - 6.5 mm	IP66	10

Product Description

KEL-DPZ 24, KEL-DPZ-B and KEL-DPZ-E cable entry plates are designed to route and seal standard cables (from 1.5 mm to 22 mm in diameter) in limited space.

The assembly of the KEL-DPZ with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed (IP65 / IP66).

Advantages

- Assembly within seconds
- High packing density
- Dual sealing of cables according to IP65 / IP66
- Space saving shapes

Specifications

Material	Frame: Polyamide (PA)
Color	Sealing plate: Elastomer <input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Protection class	IP65 / IP66
Flame class	UL94-Vo, self-extinguishing
Temperature	- 30°C to + 90°C (static)
Equipment group	II
Category	2G, 3G, 2D, 3D
Zone	1 + 21, 2+22
Test standard	EN 60079-0
Properties	Halogen free, silicone free

*Only valid for gray product types

KEL-DPZ round ATEX

Cable Entry Plates



Membrane on front



Conical shape on back provides additional sealing

Product Description

KEL-DPZ round entry plates are designed to route and seal standard cables (from 1.5 mm to 22 mm in diameter) in limited space. The assembly of the KEL-DPZ with cables or pneumatic hoses can be done within seconds. Simply put a small slit in the thin membrane, push standard cables through and it's immediately sealed with IP68.

The round versions of the KEL-DPZ series have a thread to fit in metric cut-outs from M32 to M63. Thus cut-outs for standard metric cable glands can be used.

Advantages

- Assembly within seconds
- High packing density
- Dual sealing of cables according to IP68
- Suitable for standard or metric cut-outs
- Polyamide locknuts are included in the shipment

Specifications

Material	Thread frame: Polyamide (PA)
Color	Sealing plate: Elastomer
	■ gray (similar RAL 7035)
	■ black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP68
Temperature	- 30°C to + 90°C (static)
Equipment group	II
Category	2G, 3G, 2D, 3D
Zone	1 + 21, 2+22
Test standard	EN 60079-0
Properties	Halogen free, silicone free
Thread length	14 mm
Height	8 mm

Type	Order No.	Number of cables	Thread metric	External diameter	PU
KEL-DPZ 32 4 ATEX	■ 49420 ■ 49440	3× 3.2 - 6.5 mm 1× 7.2 - 12.5 mm	M 32	44 mm	10
KEL-DPZ 32 4-2 ATEX	■ 49421 ■ 49441	4× 5 - 9.5 mm	M 32	44 mm	10
KEL-DPZ 32 7 ATEX	■ 49422 ■ 49442	7× 3.2 - 6.5 mm	M 32	44 mm	10
KEL-DPZ 40 8 ATEX	■ 49423 ■ 49443	4× 3.2 - 6.5 mm 4× 5 - 10.2 mm	M 40	52 mm	10
KEL-DPZ 50 8 ATEX	■ 49424 ■ 49444	5× 5 - 10.2 mm 3× 7.2 - 12.5 mm	M 50	62 mm	10
KEL-DPZ 50 10 ATEX	■ 49425 ■ 49445	7× 3.2 - 6.5 mm 2× 5 - 10.2 mm 1× 16 - 22.2 mm	M 50	62 mm	10
KEL-DPZ 50 12 ATEX	■ 49426 ■ 49446	4× 3.2 - 6.5 mm 8× 5 - 10.2 mm	M 50	62 mm	10
KEL-DPZ 50 19 ATEX	■ 49428 ■ 49448	19× 3.2 - 6.5 mm	M 50	62 mm	10
KEL-DPZ 50 78 ATEX	■ 49427 ■ 49447	76× 1.5 - 2.6 mm 2× 2.5 - 5 mm	M 50	62 mm	10
KEL-DPZ 63 9 ATEX	■ 49429 ■ 49449	1× 3.2 - 6.5 mm 3× 5 - 10.2 mm 4× 9 - 16.2 mm 1× 16 - 22.2 mm	M 63	75 mm	10
KEL-DPZ 63 13 ATEX	■ 49430 ■ 49450	4× 3.2 - 6.5 mm 4× 5 - 10.2 mm 5× 9 - 16.2 mm	M 63	75 mm	10
KEL-DPZ 63 14 ATEX	■ 49432 ■ 49452	14× 5 - 10.2 mm	M 63	75 mm	10
KEL-DPZ 63 35 ATEX	■ 49431 ■ 49451	35× 3.2 - 6.5 mm	M 63	75 mm	10







*Only valid for gray product types



KEL-DPF ATEX

Cable Entry Grommets



Type	Order No.	Thread metric	Clamping range	External dimension	PU
KEL-DPF 25 3-17 ATEX	 49401  49410	M 25	3 - 17 mm	39 mm	5
KEL-DPF 32 6-24 ATEX	 49402  49411	M 32	6 - 24 mm	46 mm	5
KEL-DPF 40 11-32 ATEX	 49403  49412	M 40	11 - 32 mm	54 mm	5
KEL-DPF 50 17-42 ATEX	 49404  49413	M 50	17 - 42 mm	64 mm	5
KEL-DPF 63 23-55 ATEX	 49405  49414	M 63	23 - 55 mm	77 mm	5

Product Description

The KEL-DPF was developed particularly for routing large or unknown size of service cables into the electronic enclosure. Due to the flexibility and unique pyramid shape, cable entry and flexible positioning is much easier compared to using conventional cable glands.



Cutting of DPF grommets:

- Cable diameter less 25%
- The corresponding diameters are marked on the grommet

Advantages

- Assembly within seconds
- It is possible to install rigid cables at angles
- Suitable for standard or metric cut-outs
- Polyamide locknuts are included in the shipment

Specifications

Material	Thread frame: Polyamide (PA) Pyramid: Elastomer
Color	 gray (similar RAL 7035)  black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP68
Temperature	- 30°C to + 90°C (static)
Equipment group	II
Category	2G, 3G, 2D, 3D
Zone	1 + 21, 2+22
Test standard	EN 60079-0
Properties	Halogen free, silicone free
Thread length	14 mm