

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 IP 67/68.

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 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

Product Group 2

Cable Entry Systems for Standard Cables

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KEL-DPU 24 Cable Entry Plates



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 bushings.



Description	Type	Order No.	Number of cables	PU
	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 20	<input type="checkbox"/> 43938 <input checked="" type="checkbox"/> 50938	12× 3.2 - 5.5 mm 4× 5 - 8.5 mm 2× 7.5 - 10.5 mm	10
	KEL-DPU 24 32	<input type="checkbox"/> 43942 <input checked="" type="checkbox"/> 50942	32× 3.2 - 5.5 mm	10

*Wall thickness 1.5 - 2 mm

Product Description

KEL-DPU entry plates are designed to route and seal standard cables (from 3.2 mm to 14.5 mm in diameter) in limited space with protection class IP65. The KEL-DPU is particularly characterized by its reinforced 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.

Advantages

- Pluggable* / screwable
- Very high stability
- Very easy assembly
- High packing density
- Double cable sealing with IP65
- Automatic sealing and strain relief
- Hygienic design - free of dirt-collecting recesses

Specifications

Material	Frame: Polypropylene (PP)
Colour	Sealing plate: Elastomer <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 Properties	- 40°C to + 90°C (static)
Height KEL-DPU	Halogen free, silicone free 14.5 mm

Accessories

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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

IP65

Product Description

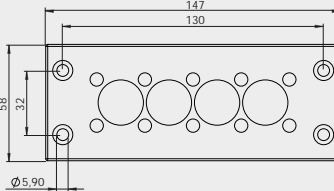
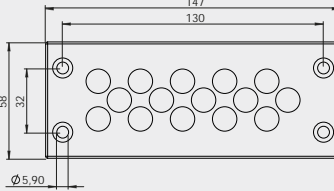
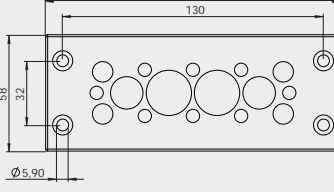
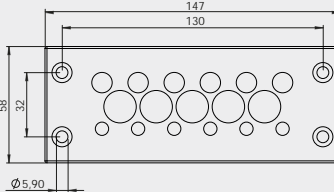
KEL-DPZ entry plates are designed to route and seal up to 121 standard cables or fiber optics (from 1.5 mm to 22 mm in diameter) in limited space.

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) 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 type="checkbox"/> 50700	10× 3.2 - 6.5 mm 4× 16 - 22 mm	10
	KEL-DPZ 24 15	<input type="checkbox"/> 43720 <input type="checkbox"/> 50720	15× 7.2 - 12 mm	10
	KEL-DPZ 24 16	<input type="checkbox"/> 43725 <input 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 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

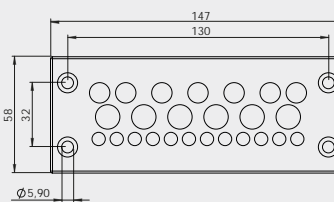
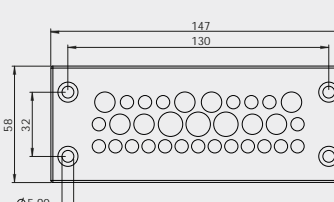
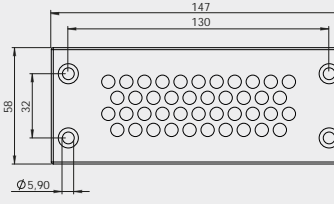
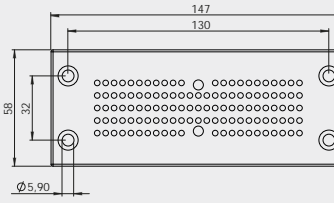
Cable Entry Plates



Conical shape on back provides additional sealing and strain relief



IP65

Type	Order No.	Number of cables	PU	Description
KEL-DPZ 24 25	<input type="checkbox"/> 43710 <input 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 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 type="checkbox"/> 50715	42x 3.2 - 6.5 mm	10	
KEL-DPZ 24 121	<input type="checkbox"/> 43735 <input type="checkbox"/> 50735	119x 1.5 - 2.6 mm 2x 2.5 - 5 mm	10	

* Only valid for gray product types

Advantages

- Assembly within seconds
- High packing density
- Dual sealing of cables according to IP65
- Automatic sealing and strain relief for the cable

Specifications

Material	Frame: Polyamide (PA)
	Sealing plate: Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65 (certified according to DIN EN 60529:2000-09)
Temperature Properties	- 40°C to + 90°C (static)
Cut-out dimensions	36 × 112 mm / page 158 - 159
Height	10 mm

Accessories

ST-B Plugs	Page 64
KEL-EMC-PF Cable collectors	Page 109
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KEL-DPZ-B

Cable Entry Plates



IP66



KEL-DPZ-B 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 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) 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

Specifications

Material	Frame: Polyamide (PA) Sealing plate: Elastomer
Color	■ 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	46 × 46 mm
Height	10 mm

Accessories

ST-B Plugs	Page 64
FP Flanged plates	Page 132 - 137

Description	Type	Order No.	Number of cables	PU
	KEL-DPZ-B 13	<input type="checkbox"/> 43794 <input checked="" type="checkbox"/> 50794	8× 3.2 - 6.5 mm 4× 5 - 10.2 mm 1× 16 - 22 mm	10
	KEL-DPZ-B 17	<input type="checkbox"/> 43796 <input checked="" type="checkbox"/> 50796	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	<input type="checkbox"/> 43798 <input checked="" type="checkbox"/> 50798	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	<input type="checkbox"/> 43780 <input checked="" type="checkbox"/> 50780	7x 7.5 - 12 mm	10
	KEL-DPZ-E 112 21	<input type="checkbox"/> 43790 <input checked="" type="checkbox"/> 50790	21x 3.2 - 6.5 mm	10

* Only valid for gray product types

Product Description

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

With an area of only 18 x 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
- High packing density
- Assembly within seconds

Specifications

Material	Frame: Polyamide (PA) Sealing plate: Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> 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 x 112 mm / page 158 - 159
Height	10 mm

Accessories

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KEL-EMC-PF Cable collectors	Page 109

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

Description	Type	Order No.	Number of cables	PU
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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 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) and strain relieved. ST-B Plugs can be used for sealing pierced membranes if cables have been removed.

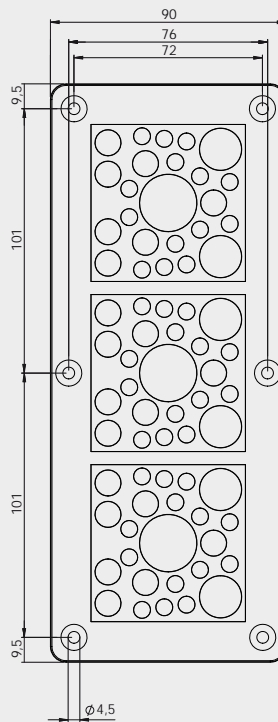
The KEL-DPZ-KL matches on junction boxes KL from Rittal.

Advantages

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

Specifications

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



KEL-DPZ-KL72

- 4367501
- 43675101

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

Accessories

ST-B Plugs Page 64

Typical Applications

Cable Entry Systems for Standard Cables



KEL-DPZ 24|x - Page 52 - 53
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.



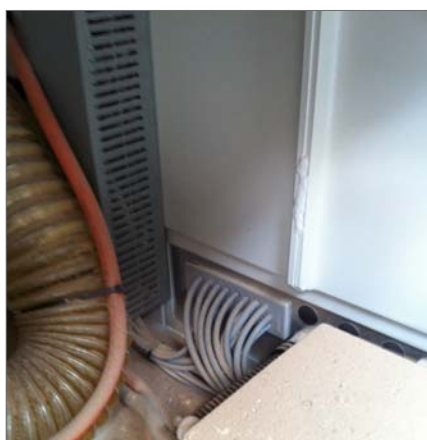
KEL-DPZ 24|x - Page 52 - 53 / **FP|AE 330** - Page 133
Routing of cables into an AE-enclosure. Use of pre-fabricated flange plates means easy installation and no expensive custom sheet metal work.



KEL-DPZ B25 - Page 54
Entering of cable bundle in a small space with high sealing rate IP66.



KEL-DPZ B25 - Page 54 / **KEL 24|7** - Page 6
Combination of split and push-through-systems for the routing of cables in an integrated electronic enclosure.

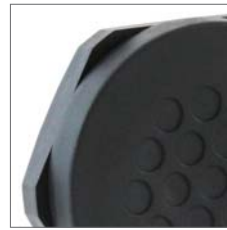


KEL-DP 24|50 - Page 60
Entering a large number of standard cables through a small space.



KEL-DP 50|16 - Page 63
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

Type	Order No.	Number of cables	Thread metric	External diameter	Height	PU
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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) 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.

KEL-DPZ 32 4	<input type="checkbox"/> 43732 <input type="checkbox"/> 50732	3× 3.2 - 6.5 mm 1× 7.2 - 12.5 mm	M32	44 mm	8 mm	10
KEL-DPZ 32 4-2	<input type="checkbox"/> 43733 <input type="checkbox"/> 50733	4× 5 - 9.5 mm	M32	44 mm	8 mm	10
KEL-DPZ 32 7	<input type="checkbox"/> 43734 <input type="checkbox"/> 50734	7× 3.2 - 6.5 mm	M32	44 mm	8 mm	10
KEL-DPZ 40 8	<input type="checkbox"/> 43741 <input type="checkbox"/> 50741	4× 3.2 - 6.5 mm 4× 5 - 10.2 mm	M40	52 mm	8 mm	10
KEL-DPZ 50 8	<input type="checkbox"/> 43750 <input type="checkbox"/> 50750	5× 5 - 10.2 mm 3× 7.2 - 12.5 mm	M50	62 mm	8 mm	10
KEL-DPZ 50 10	<input type="checkbox"/> 43751 <input type="checkbox"/> 50751	7× 3.2 - 6.5 mm 2× 5 - 10.2 mm 1× 16 - 22.2 mm	M50	62 mm	8 mm	10
KEL-DPZ 50 12	<input type="checkbox"/> 43752 <input type="checkbox"/> 50752	4× 3.2 - 6.5 mm 8× 5 - 10.2 mm	M50	62 mm	8 mm	10

* Only valid for gray product types

KEL-DPZ round Cable Entry Plates



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

* Only valid for gray product types

Advantages

- Assembly within seconds
- High packing density
- Dual sealing of cables according to IP66 / IP67 / IP68
- Automatic sealing and strain relief for the cable
- Suitable for standard or metric cut-outs
- Polyamide locknuts are included in the shipment

Specifications

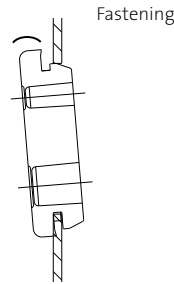
Material	Thread frame: Polyamide (PA)
	Sealing plate: Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Protection class	IP66 / IP67 / IP68 (certified according to DIN EN 60529:2000-09)
Temperature Properties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

Accessories

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MP Module plates	Page 138

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).

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

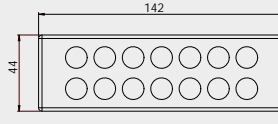
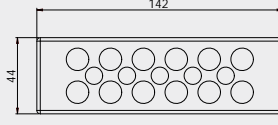
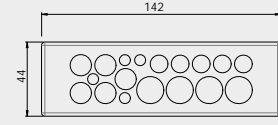
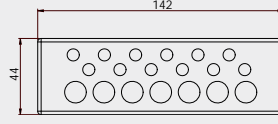
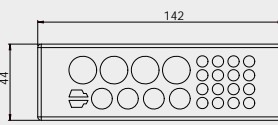
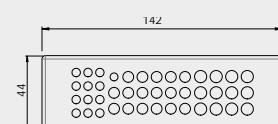
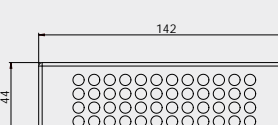
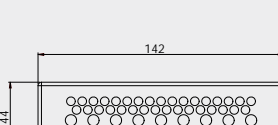
- Quick and easy assembly, no tools required
- High packing density
- Cost-effective
- For wall thickness 1.5 - 4 mm

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	Page 64
FP Flanged plates	Page 132 - 137

Description	Type	Order No. Type A	Order No. Type B	Number of cables	PU
 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 cables	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	43585 (gray) 50585 (black)	46 x 18	5x max. 8.3 mm 2x max. 6.5 mm	10	
KEL-DP-E 46 9	43587 (gray) 50587 (black)	46 x 18	8x max. 6.5 mm 1x max. 12.1 mm	10	
KEL-DP-E 86 13	43581 (gray) 50581 (black)	86 x 18	11x max. 8.3 mm 2x max. 6.5 mm	10	
KEL-DP-E 86 17	43583 (gray) 50583 (black)	86 x 18	16x max. 6.5 mm 1x max. 12.1 mm	10	
KEL-DP-E 112 16	43576 (gray) 50576 (black)	112 x 18	4x max. 6.5 mm 11x max. 8.3 mm 1x max. 12.1 mm	10	
KEL-DP-E 112 21	43578 (gray) 50578 (black)	112 x 18	16x max. 6.5 mm 4x max. 8.3 mm 1x max. 12.1 mm	10	
KEL-DP-S 69 8	43591 (gray) 50591 (black)	69 x 10 Edge radii Rz	8x 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).

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
- For wall thickness 1.5 - 2.5 mm

Specifications

Material	Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input 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 Page 64

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).

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.

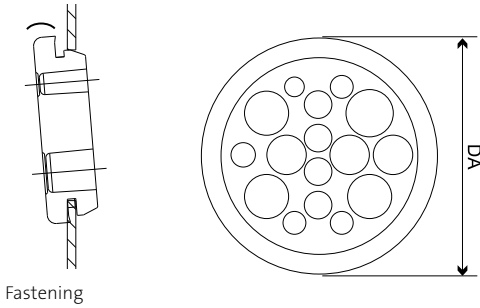
Advantages

- Quick and easy assembly, no tools required
- High packing density
- Cost-effective
- For wall thickness 1.5 - 4 mm

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

* Only valid for gray product types

KEL-DP round Cable Entry Plates



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	∅ 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	∅ 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	∅ 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	∅ 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	∅ 50 mm	60 mm	10

Specifications

Material	Elastomer
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-V0, self-extinguishing
Protection class	IP65 (certified according to DIN EN 60529:2000-09)
Temperature Properties	- 40°C to + 90°C (static)
Cut-out dimensions	Halogen free, silicone free
Height	Metric standard sizes
Type A:	5 mm
Type B:	For wall thickness 1.5 - 2.5 mm
	For wall thickness 2.8 - 4 mm

Accessories

ST-B Plugs	Page 64
FP Flanged plates	Page 132 - 137

* Only valid for gray product types

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 inserts.

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 Page 52 - 59
 KEL-DP Cable entry plates Page 60 - 63
 DT Cable entry inserts Page 34
 KEL-QTA-DP Cable entry frames Page 46

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	5x ST-B 6 5x ST-B 10 2x ST-B 12 1x ST-B 16 1x ST-B 22			



KEL-DPF Cable Entry Inserts



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 inserts:

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

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 Properties	- 40°C to + 90°C (static)
	Halogen free, silicone free
Thread length	14 mm
Cut-out dimensions	Metric standard sizes

Accessories

FP Flanged plates	Page 132 - 137
MP Module plates	Page 138

KEL-JUMBO flex Cable Entry Inserts



Product Description

The KEL-JUMBO flex is a flexible cable entry system 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 inserts:

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

Advantages

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

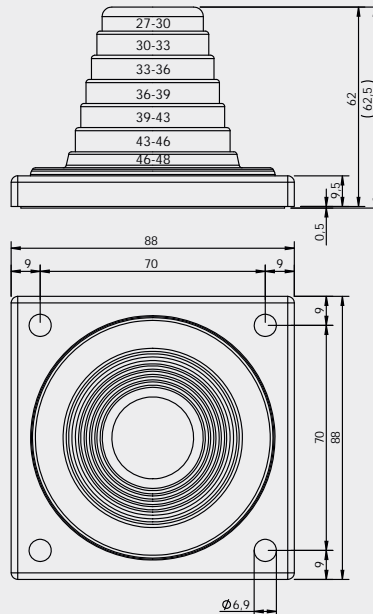
Specifications

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, \varnothing -cable +20%

Accessories

MP Module plates	Page 138
BP Blind plates	Page 140 - 141

Description	Type	Order No.	Clamping range	PU
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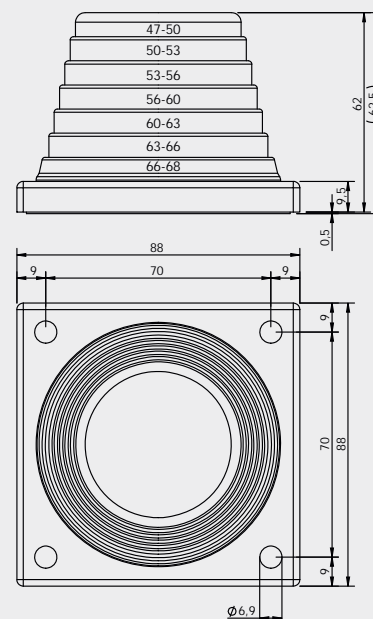


KEL-JUMBO
flex 27-48

42614

27 - 48 mm

1



KEL-JUMBO
flex 47-68

42616

47 - 68 mm

1

KEL-ULTRA flex

Cable Entry Inserts



Type	Order No.	Sealing range	PU
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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 system 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 insert at the enclosure wall. The ring is supplied with each KEL-ULTRA flex.

Cutting of inserts: Cable diameter less 25%

Advantages

- Assembly within seconds
- Inserts allow dynamic and flexible movement of rigid cables
- Protection class IP66

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	Page 138
BPM Blind plates	Page 141