KEL-ER | split cable entry frames

for cables with connectors / IP66 / UL Type 12/4X*

Split cable entry system for routing and sealing cables with connectors, providing an IP66 / UL Type 12/4X* rating and strain relief for cable diameters from 1 to 16 mm (single-hole grommets KT 1 - 15) and 13 to 35 mm (single-hole grommets KTG 13 - KT 34).

The cable entry system is easy to install. Cable grommets are placed into compartments and are securely fixed to the frame during assembly.

The KEL-ER frames match exactly the cut-out dimensions for 10-, 16- and 24-pin standard industrial connectors. Either a cut-out of 36 mm or 46 mm in height can be chosen depending on the cables being routed. The KEL-ER-B frame matches the cut-out dimensions of 46 × 46 mm measuring instruments.

The single-row versions KEL-ER-E are particularly suited for flat connectors. The small frames are ideal for applications with limited space.

Thanks to the injected seal and the use of single grommets, the KEL-ER series achieves protection class IP66. If the flange surface is roughly structured or slightly uneven, we recommend installing the additional flat rubber gasket included in the shipment.

This product is available in different versions: With steel screws or stainless steel screws. It is also possible to integrate threaded bushings. Please ask us about your desired variant.

The version with threaded bushings enables the cable entry frame to be screwed onto the housing from the inside out. This protects against vandalism and tampering with the housing from the outside.

*4X for indoor use only

IP54	IP55	IP64	IP65	IP66	UL TYPE 12
UL TYPE 4X*	c ᴿᵁ us	RINA	HL3 EN 45545-2	(( )) EN 61373	ECOLAB certified
UV ISO 4892-2A	Made in Germany	RoHS compliant	REACH COMPLIANCE		

Specifications

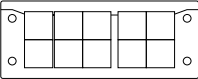|	
IP rating (EN 60529)	IP54, IP55, IP64, IP65, IP66
UL Type (UL 50E)	UL Type 12, UL Type 4X*
Material	Polyamide
Flame class	UL94-V0, self-extinguishing
Operating temperature	-40 C° to 140 C°
Properties	vibration proof, UV-resistant, silicone free, anti-corrosive (V2A versions), halogen free
Mounting options	Screw type mounting
Mounting height	17 mm

Advantages & benefits

- Warranty on pre-terminated cables remains
- Retrofits, repairs and maintenance can be done much more easily and quickly
- High cable density, wide variety of grommets
- Strain relief according to EN 62444
- High stability, vibration resistant
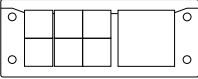- Space-saving shape

Product types & sizes

KEL-ER 24|10

Part No.	48241	Height	17 mm
EAN	4251269312076	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	10	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	10 x KT small

KEL-ER 24|10 V2A

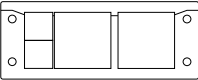|			
Part No.	48241.200	Height	17 mm
EAN	4251269312083	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	10	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	10 x KT small

KEL-ER 24|7

Part No.	48247	Height	17 mm
EAN	4251269312113	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	6 x KT small
			1 x KT large

KEL-ER 24|7 V2A
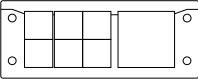
Part No.	48247.200	Height	17 mm
EAN	4251269312120	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	6 x KT small
			1 x KT large

KEL-ER 24|4

Part No.	48244	Height	17 mm
EAN	4251269312090	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	2 x KT small
			2 x KT large

KEL-ER 24|4 V2A
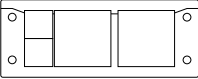
Part No.	48244.200	Height	17 mm
EAN	4251269312106	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	2 x KT small
			2 x KT large

KEL-ER 16|8
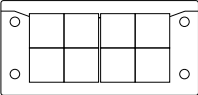
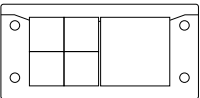|			
Part No.	48168	Height	17 mm
EAN	4251269311970	Mounting height	17 mm
Package quantity	10	Cut-out size	86 × 36 mm
For max. no. of cables	8	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	8 x KT small

KEL-ER 16|8 V2A
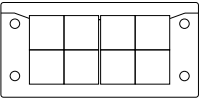
Part No.	**48168.200**	Height	**17 mm**
EAN	**4251269311987**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**86 × 36 mm**
For max. no. of cables	**8**	No. of screw holes	**4**
Max. cable diameter	**16 mm**	Diam. of screw holes	**5,8 mm**
Length	**120 mm**	Screw material	**Stainless steel (V2A)**
Width	**58 mm**	Suitable for grommets	**8 x KT small**

KEL-ER 16|5
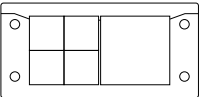
Part No.	**48165**	Height	**17 mm**
EAN	**4251269311956**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**86 × 36 mm**
For max. no. of cables	**5**	No. of screw holes	**4**
Max. cable diameter	**35 mm**	Diam. of screw holes	**5,8 mm**
Length	**120 mm**	Screw material	**Mild steel, galvanically zinc plated**
Width	**58 mm**	Suitable for grommets	**4 x KT small**
			1 x KT large

KEL-ER 16|5 V2A

Part No.	**48165.200**	Height	**17 mm**
EAN	**4251269311963**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**86 × 36 mm**
For max. no. of cables	**5**	No. of screw holes	**4**
Max. cable diameter	**35 mm**	Diam. of screw holes	**5,8 mm**
Length	**120 mm**	Screw material	**Stainless steel (V2A)**
Width	**58 mm**	Suitable for grommets	**4 x KT small**
			1 x KT large

KEL-ER 16|2
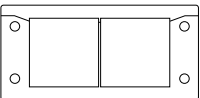
Part No.	**48162**	Height	**17 mm**
EAN	**4251269311932**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**86 × 36 mm**
For max. no. of cables	**2**	No. of screw holes	**4**
Max. cable diameter	**35 mm**	Diam. of screw holes	**5,8 mm**
Length	**120 mm**	Screw material	**Mild steel, galvanically zinc plated**
Width	**58 mm**	Suitable for grommets	**2 x KT large**

KEL-ER 16|2 V2A

Part No.	**48162.200**	Height	**17 mm**
EAN	**4251269311949**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**86 × 36 mm**
For max. no. of cables	**2**	No. of screw holes	**4**
Max. cable diameter	**35 mm**	Diam. of screw holes	**5,8 mm**
Length	**120 mm**	Screw material	**Stainless steel (V2A)**
Width	**58 mm**	Suitable for grommets	**2 x KT large**

KEL-ER 10|6
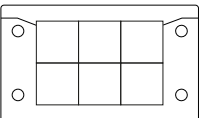
Part No.	**48216**	Height	**17 mm**
EAN	**4251269312052**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**65 × 36 mm**
For max. no. of cables	**6**	No. of screw holes	**4**
Max. cable diameter	**16 mm**	Diam. of screw holes	**5,8 mm**
Length	**98 mm**	Screw material	**Mild steel, galvanically zinc plated**
Width	**58 mm**	Suitable for grommets	**6 x KT small**

KEL-ER 10|6 V2A

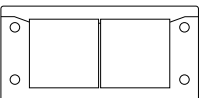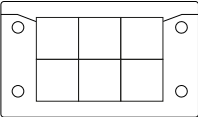|			
Part No.	48216.200	Height	17 mm
EAN	4251269312069	Mounting height	17 mm
Package quantity	10	Cut-out size	65 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	6 x KT small

KEL-ER 10|3
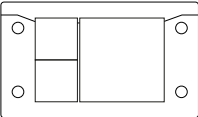
Part No.	48212	Height	17 mm
EAN	4251269312038	Mounting height	17 mm
Package quantity	10	Cut-out size	65 × 36 mm
For max. no. of cables	3	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	2 x KT small
			1 x KT large

KEL-ER 10|3 V2A
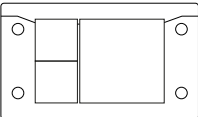
Part No.	48212.200	Height	17 mm
EAN	4251269312045	Mounting height	17 mm
Package quantity	10	Cut-out size	65 × 36 mm
For max. no. of cables	3	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	2 x KT small
			1 x KT large

KEL-ER-B4
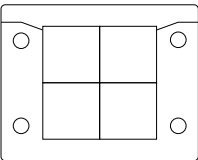
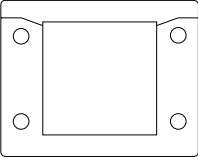|			
Part No.	48204	Height	17 mm
EAN	4251269311994	Mounting height	17 mm
Package quantity	10	Cut-out size	46 × 46 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	4 x KT small

KEL-ER-B4 V2A
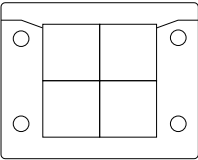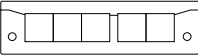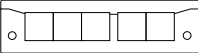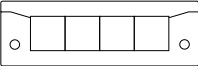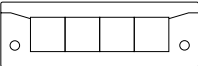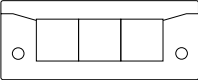
Part No.	48204.200	Height	17 mm
EAN	4251269312007	Mounting height	17 mm
Package quantity	10	Cut-out size	46 × 46 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	4 x KT small

KEL-ER-B1
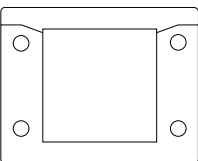
Part No.	48206	Height	17 mm
EAN	4251269312014	Mounting height	17 mm
Package quantity	10	Cut-out size	46 × 46 mm
For max. no. of cables	1	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	1 x KT large

KEL-ER-B1 V2A

Part No.	48206.200	Height	17 mm
EAN	4251269312021	Mounting height	17 mm
Package quantity	10	Cut-out size	46 × 46 mm
For max. no. of cables	1	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	1 x KT large

KEL-ER-E5

Part No.	48250	Height	17 mm
EAN	4251269312151	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 24 mm
For max. no. of cables	5	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	Suitable for grommets	5 x KT small

KEL-ER-E5 V2A

Part No.	48250.200	Height	17 mm
EAN	4251269312168	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 24 mm
For max. no. of cables	5	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	39 mm	Suitable for grommets	5 x KT small

KEL-ER-E4

Part No.	48259	Height	17 mm
EAN	4251269312199	Mounting height	17 mm
Package quantity	10	Cut-out size	86 × 24 mm
For max. no. of cables	4	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	Suitable for grommets	4 x KT small

KEL-ER-E4 V2A

Part No.	48259.200	Height	17 mm
EAN	4251269312205	Mounting height	17 mm
Package quantity	10	Cut-out size	86 × 24 mm
For max. no. of cables	4	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Stainless steel (V2A)
Width	39 mm	Suitable for grommets	4 x KT small

KEL-ER-E3

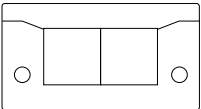|			
Part No.	48258	Height	17 mm
EAN	4251269312175	Mounting height	17 mm
Package quantity	10	Cut-out size	65 × 24 mm
For max. no. of cables	3	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	Suitable for grommets	3 x KT small

KEL-ER-E3 V2A

Part No.	**48258.200**	Height	**17 mm**
EAN	**4251269312182**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**65 × 24 mm**
For max. no. of cables	**3**	No. of screw holes	**2**
Max. cable diameter	**16 mm**	Diam. of screw holes	**5,8 mm**
Length	**98 mm**	Screw material	**Stainless steel (V2A)**
Width	**39 mm**	Suitable for grommets	**3 x KT small**

KEL-ER-E2
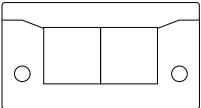
Part No.	**48249**	Height	**17 mm**
EAN	**4251269312137**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**43 × 24 mm**
For max. no. of cables	**2**	No. of screw holes	**2**
Max. cable diameter	**16 mm**	Diam. of screw holes	**5,8 mm**
Length	**73 mm**	Screw material	**Mild steel, galvanically zinc plated**
Width	**39 mm**	Suitable for grommets	**2 x KT small**

KEL-ER-E2 V2A

Part No.	**48249.200**	Height	**17 mm**
EAN	**4251269312144**	Mounting height	**17 mm**
Package quantity	**10**	Cut-out size	**43 × 24 mm**
For max. no. of cables	**2**	No. of screw holes	**2**
Max. cable diameter	**16 mm**	Diam. of screw holes	**5,8 mm**
Length	**73 mm**	Screw material	**Stainless steel (V2A)**
Width	**39 mm**	Suitable for grommets	**2 x KT small**

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smart cable management