KEL-ER series
Cable entry frames
with IP66 rating

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 17 mm (single-hole grommets KT1 to KTs17) and 16 to 35 mm (single-hole grommets KT16 to KT34).

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. A flat rubber gasket is included in the shipment.

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.

Advantages & benefits

- Maintain manufacturer's warranty on pre-terminated cables
- Retrofittings, 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
- Can be combined with IMAS-CONNECT adapter grommets

Specifications

Material	Polyamide (PA)
Flame class	UL 94 V-0, self-extinguishing
IP rating	IP66, with gasket and correct selection of single grommets (certified acc. to EN 60529)
UL type rating	UL type 4X (acc. to UL 50E)
Temperature	-40°C to +140°C (static)
Properties	Halogen-free, silicone-free
Frame depth	17 mm

Accessories

KT Cable grommets	74 – 89
AT Adapter grommets	90 – 101
KEL-EMC Cable collectors	260 – 262
ST Plugs	85

The cable entry frames enable the integration of the IMAS-CONNECT™ adapter grommets

Also available with stainless steel screws (V2A)

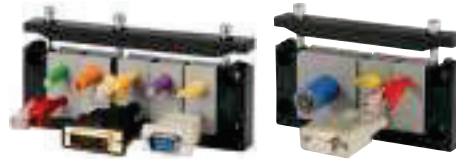*Also available with threaded bushings*

Split KT grommets

ℹ The KEL-ER series is also available as a cleanroom version, see from page 402.
Single-piece packaging units are available on request.

*4X for indoor use only

KEL-ER
Cable entry frames
KEL-ER 24, KEL-ER 16

Description	Cut-out | Drilling template	Type	Cut-out mm	Grommets small | large	Order No.	PU
		KEL-ER 24|10	36/46 × 112	10 | –	48241	10
		KEL-ER 24|10 with V2A screws	36/46 × 112	10 | –	48241.200	10
		KEL-ER 24|10 with threaded bushings M4	36/46 × 112	10 | –	48241.400	10
		KEL-ER 24|7	36/46 × 112	6 | 1	48247	10
		KEL-ER 24|7 with V2A screws	36/46 × 112	6 | 1	48247.200	10
		KEL-ER 24|7 with threaded bushings M4	36/46 × 112	6 | 1	48247.400	10
		KEL-ER 24|4	36/46 × 112	2 | 2	48244	10
		KEL-ER 24|4 with V2A screws	36/46 × 112	2 | 2	48244.200	10
		KEL-ER 24|4 with threaded bushings M4	36/46 × 112	2 | 2	48244.400	10
		KEL-ER 16|8	36/46 × 86	8 | –	48168	10
		KEL-ER 16|8 with V2A screws	36/46 × 86	8 | –	48168.200	10
		KEL-ER 16|8 with threaded bushings M4	36/46 × 86	8 | –	48168.400	10
		KEL-ER 16|5	36/46 × 86	4 | 1	48165	10
		KEL-ER 16|5 with V2A screws	36/46 × 86	4 | 1	48165.200	10
		KEL-ER 16|5 with threaded bushings M4	36/46 × 86	4 | 1	48165.400	10
		KEL-ER 16|2	36/46 × 86	– | 2	48162	10
		KEL-ER 16|2 with V2A screws	36/46 × 86	– | 2	48162.200	10
		KEL-ER 16|2 with threaded bushings M4	36/46 × 86	– | 2	48162.400	10

KEL-ER
Cable entry frames
KEL-ER 10, KEL-ER B

Description	Cut-out | Drilling template	Type	Cut-out mm	Grommets small | large	Order No.	PU
		KEL-ER 10|6	36/46 × 65	6 | –	48216	10
		KEL-ER 10|6 with V2A screws	36/46 × 65	6 | –	48216.200	10
		KEL-ER 10|6 with threaded bushings M4	36/46 × 65	6 | –	48216.400	10
		KEL-ER 10|3	36/46 × 65	2 | 1	48212	10
		KEL-ER 10|3 with V2A screws	36/46 × 65	2 | 1	48212.200	10
		KEL-ER 10|3 with threaded bushings M4	36/46 × 65	2 | 1	48212.400	10
		KEL-ER-B4	46 × 46	4 | –	48204	10
		KEL-ER-B4 with V2A screws	46 × 46	4 | –	48204.200	10
		KEL-ER-B4 with threaded bushings M4	46 × 46	4 | –	48204.400	10
		KEL-ER-B1	46 × 46	– | 1	48206	10
		KEL-ER-B1 with V2A screws	46 × 46	– | 1	48206.200	10
		KEL-ER-B1 with threaded bushings M4	46 × 46	– | 1	48206.400	10

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Single-piece packaging units are available on request.

*4X for indoor use only

KEL-ER
Cable entry frames
KEL-ER-E

Description	Cut-out | Drilling template	Type	Cut-out mm	Grommets small | large	Order No.	PU
		KEL-ER-E5	112 × 24	5 | −	48250	10
		KEL-ER-E5 with V2A screws	112 × 24	5 | −	48250.200	10
		KEL-ER-E5 with threaded bushings M4	112 × 24	5 | −	48250.400	10
		KEL-ER-E4	112 × 24	4 | −	48259	10
		KEL-ER-E4 with V2A screws	112 × 24	4 | −	48259.200	10
		KEL-ER-E4 with threaded bushings M4	112 × 24	4 | −	48259.400	10
		KEL-ER-E3	65 × 24	3 | −	48258	10
		KEL-ER-E3 with V2A screws	65 × 24	3 | −	48258.200	10
		KEL-ER-E3 with threaded bushings M4	65 × 24	3 | −	48258.400	10
		KEL-ER-E2	43 × 24	2 | −	48249	10
		KEL-ER-E2 with V2A screws	43 × 24	2 | −	48249.200	10
		KEL-ER-E2 with threaded bushings M4	43 × 24	2 | −	48249.400	10

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*4X for indoor use only