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. <u>Cable grommets</u> 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

Advantages & Benefits

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

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

Specifications

KEL-ER 24|10



Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material

Suitable for grommets

17 mm 17 mm 112 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 10 x KT small

KEL-ER 24|10 V2A

TO
- 1

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

KEL-ER 24|7



Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material

Suitable for grommets

10 x KT small 17 mm 17 mm 112 × 36 mm 4

17 mm 112 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 6 x KT small 1 x KT large

KEL-ER 24|7 V2A



KEL-ER 24|4

Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

Part No.

Lenath

Width

Package quantity

For max. no. of cables

Max. cable diameter

EAN

48247.200 4251269312120 10 7 35 mm 147 mm 58 mm

48244

35 mm

147 mm

58 mm

10

4

4251269312090

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material

Suitable for grommets

Stainless steel (V2A) 6 x KT small 1 x KT large 17 mm 17 mm

17 mm

17 mm

5,8 mm

Δ

112 × 36 mm

17 mm 112 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 2 x KT small 2 x KT large



Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

48244.200 4251269312106 10 4 35 mm 147 mm 58 mm Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets 17 mm 17 mm 112 × 36 mm 4 5,8 mm Stainless steel (V2A) 2 x KT small 2 x KT large

KEL-ER 16|8



Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material

Suitable for grommets

17 mm 17 mm 86 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 8 x KT small

KEL-ER	16	8	V2A

KEL-ER 16|5

KEL-ER 16|5 V2A

KEL-ER 16|2

0

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0		1	0
10			

Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

Part No.

Length

Width

Part No.

Length

Width

Part No.

Length

Width

Part No.

EAN

Lenath

Width

Package quantity

For max. no. of cables

Max. cable diameter

EAN

0

Package quantity

For max. no. of cables

Max. cable diameter

EAN

0

Package quantity

For max. no. of cables

Max. cable diameter

EAN

0

0

48168.200 4251269311987 10 8 16 mm 120 mm 58 mm

48165

35 mm

120 mm

58 mm

48165.200

10

5

35 mm

58 mm

48162

35 mm

120 mm

10

2

4251269311932

120 mm

4251269311963

10

5

4251269311956

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets

Height

Height

Height

Mounting height

No. of screw holes

Screw material

Diam. of screw holes

Cut-out size

Mounting height

No. of screw holes

Screw material

Diam. of screw holes

Suitable for grommets

Cut-out size

Mounting height

No. of screw holes

Screw material

Diam. of screw holes

Suitable for grommets

Cut-out size

17 mm 17 mm 86 × 36 mm 4 5,8 mm Stainless steel (V2A) 8 x KT small

17 mm 17 mm 86 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 4 x KT small 1 x KT large

17 mm 17 mm 86 × 36 mm 4 5,8 mm Stainless steel (V2A) 4 x KT small 1 x KT large

Mild steel, galvanically zinc

17 mm 17 mm 86 × 36 mm 4 5,8 mm plated 2 x KT large

17 mm

17 mm

4 5,8 mm

86 × 36 mm

2 x KT large

Stainless steel (V2A)

58 mm Suitable for grommets 48162.200 4251269311949 Package quantity 10 For max, no, of cables 2 Max. cable diameter 35 mm 120 mm 58 mm

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets

KEL-ER 10|6

KEL-ER 16|2 V2A



Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width

Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material

Suitable for grommets

17 mm 17 mm 65 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 6 x KT small

KEL-ER 10|6 V2A

	Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48216.200 4251269312069 10 6 16 mm 98 mm 58 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17mm 17mm 65 × 36mm 4 5,8mm Stainless steel (V2A) 6 x KT small
KEL-ER 10 3	Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48212 4251269312038 10 3 35 mm 98 mm 58 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17 mm 17 mm 65 × 36 mm 4 5,8 mm Mild steel, galvanically zinc plated 2 x KT small 1 x KT large
KEL-ER 10 3 V2A	Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48212.200 4251269312045 10 3 35 mm 98 mm 58 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17 mm 17 mm 65 × 36 mm 4 5,8 mm Stainless steel (V2A) 2 x KT small 1 x KT large
KEL-ER-B4	Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48204 4251269311994 10 4 16 mm 73 mm 58 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17 mm 17 mm 46 × 46 mm 4 5,8 mm Mild steel, galvanically zinc plated 4 x KT small
KEL-ER-B4 V2A	Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48204.200 4251269312007 10 4 16 mm 73 mm 58 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17 mm 17 mm 46 × 46 mm 4 5,8 mm Stainless steel (V2A) 4 x KT small
KEL-ER-B1	Part No. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48206 4251269312014 10 1 35 mm 73 mm 58 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17 mm 17 mm 46 × 46 mm 4 5,8 mm Mild steel, galvanically zinc plated 1 x KT large

For max Max. c Length Width KEL-ER-E5 Part No EAN Packag For max Max. c Length Width KEL-ER-E5 V2A Part No EAN Packag For max Max. c Length Width Part No EAN Packag For max Part No EAN Packag For max For max For max	42512 ge quantity 10 ax. no. of cables 1 rable diameter 35 mm 73 mm 58 mm 59 mm 59 mm 50 48250 ax. no. of cables 5 rable diameter 16 mm 39 mm 50 48250 ax. no. of cables 5 rable diameter 10 mm	269312021 m m m 0 269312151 m nm m m 0.200 269312168	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	17 mm 17 mm 46 × 46 mm 4 5,8 mm Stainless steel (V2A) 1 x KT large 17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm 17 mm 12 × 24 mm
KEL-ER-ES Part No Image: Second se	ge quantity 10 ax. no. of cables 1 sable diameter 35 mm 73 mm 58 mm 59 mm 50 48250 42512 50 mm 50 48250 42512 50 mm 50 48250 50 mm 50 mm 5	m m m 0 269312151 m nm m m 0.200 269312168	Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	46 × 46 mm 4 5,8 mm Stainless steel (V2A) 1 x KT large 17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
For max Max. c Length Width KEL-ER-ES Part No EAN Packag For max Max. c Length Width KEL-ER-ES Part No EAN Packag For max Max. c Length Width	ax. no. of cables 1 able diameter 35 mm 73 mm 58 mm 0. 48256 42512 ge quantity 10 ax. no. of cables 5 rable diameter 16 mm 0. 48256 able diameter 10 mm 147 n 39 mm	m m 0 269312151 m nm m 0.200 269312168	No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	4 5,8 mm Stainless steel (V2A) 1 x KT large 17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small
Max. c Length Width KEL-ER-ES Part No EAN Packag For ma Max. c Length Width KEL-ER-ES V2A Part No EAN Packag For ma Max. c Length Max. c Length	able diameter 35 mi 73 mi 58 mi 59 mi 50 42512 30 mi 50 42512 30 mi 39 mi 50 42512 30 mi 39 mi 39 mi 39 mi 39 mi 39 mi	m m 0 269312151 m nm m 0.200 269312168	Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	5,8 mm Stainless steel (V2A) 1 x KT large 17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
KEL-ER-E5 Part No • Image: Comparison of the second se	n 73 mi 58 mi 58 mi 58 mi 58 mi 58 mi 58 mi 42512 99 quantity 10 ax. no. of cables 5 able diameter 16 mi 39 mi 50 42512 99 quantity 10 42512 99 quantity 10 42512 99 mi	m m 0 269312151 m nm m 0.200 269312168	Screw material Suitable for grommets Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	Stainless steel (V2A) 1 x KT large 17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
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KEL-ER-E5 Part No • • <t< th=""><th>o. 48250 ge quantity 10 ax. no. of cables 5 able diameter 16 mm 147 n 39 mm o. 48250 ge quantity 10 ax. no. of cables 5 able diameter 16 mm</th><th>0 269312151 m nm m 0.200 269312168</th><th>Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size</th><th>17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm</th></t<>	o. 48250 ge quantity 10 ax. no. of cables 5 able diameter 16 mm 147 n 39 mm o. 48250 ge quantity 10 ax. no. of cables 5 able diameter 16 mm	0 269312151 m nm m 0.200 269312168	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	17 mm 17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
Kel-er-es V2A Part No EAN Package For marking Max. c Length Width Kel-er-es V2A Part No For marking EAN Package For marking Max. c Length Length Length	42512 ge quantity 10 ax. no. of cables 5 sable diameter 16 mm n 147 n 39 mm o. 48250 ge quantity 10 ax. no. of cables 5 sable diameter 16 mm	269312151 m nm m 0.200 269312168	Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
KEL-ER-E5 V2A Part No EAN Package For marking Max. c Length Width EAN Package For marking Part No EAN Package For marking Part No EAN Package For marking Package	42512 ge quantity 10 ax. no. of cables 5 sable diameter 16 mm n 147 n 39 mm o. 48250 ge quantity 10 ax. no. of cables 5 sable diameter 16 mm	269312151 m nm m 0.200 269312168	Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
Kel-er-es V2A Part No Kel-er-es V2A Part No Anno Package For max Max. c Length Width	42512 ge quantity 10 ax. no. of cables 5 sable diameter 16 mm n 147 n 39 mm o. 48250 ge quantity 10 ax. no. of cables 5 sable diameter 16 mm	269312151 m nm m 0.200 269312168	Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	17 mm 112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
• • Package For ma Max. c Length Width • • •	ge quantity 10 ax. no. of cables 5 sable diameter 16 m 147 n 39 m o. 48250 ge quantity 10 ax. no. of cables 5 sable diameter 16 m	m nm m 0.200 269312168	Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	112 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
For ma Max. c Length Width KEL-ER-E5 V2A Part No EAN Packag For ma Max. c Length	ax. no. of cables 5 able diameter 16 min 147 n 39 min 0. 48250 42512 ge quantity 10 ax. no. of cables 5 able diameter 16 min	nm m 0.200 269312168	No. of screw holes Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	2 5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
KEL-ER-E5 V2A Part No EAN Packag For ma Max. c Length	able diameter 16 mm 147 m 39 mm 0. 48250 42512 ge quantity 10 ax. no. of cables 5 able diameter 16 mm	nm m 0.200 269312168	Diam. of screw holes Screw material Suitable for grommets Height Mounting height Cut-out size	5,8 mm Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
KEL-ER-E5 V2A Part No EAN Packag For ma Max. c Length	n 147 n 39 m o. 48250 42512 ge quantity 10 ax. no. of cables 5 able diameter 16 m	nm m 0.200 269312168	Screw material Suitable for grommets Height Mounting height Cut-out size	Mild steel, galvanically zinc plated 5 x KT small 17 mm 17 mm
KEL-ER-E5 V2A Part No EAN Packag For ma Max. c Length	o. 48250 42512 ge quantity 10 ax. no. of cables 5 able diameter 16 mm	m 0.200 269312168	Suitable for grommets Height Mounting height Cut-out size	plated 5 x KT small 17 mm 17 mm
KEL-ER-E5 V2A Part No EAN Packag For ma Max. c Length	o. 48250 42512 ge quantity 10 ax. no. of cables 5 able diameter 16 mi	0.200 269312168	Height Mounting height Cut-out size	5 x KT small 17 mm 17 mm
EAN Packag For ma Max. c Length	42512ge quantity10ax. no. of cables5sable diameter16 min	269312168	Height Mounting height Cut-out size	17 mm 17 mm
EAN Packag For ma Max. c Length	42512ge quantity10ax. no. of cables5sable diameter16 min	269312168	Mounting height Cut-out size	17 mm
EAN Packag For ma Max. c Length	42512ge quantity10ax. no. of cables5sable diameter16 min	269312168	Mounting height Cut-out size	17 mm
Packag For ma Max. c Length	ge quantity10ax. no. of cables5sable diameter16 mm		Cut-out size	
For ma Max. c Length	ax. no. of cables 5 able diameter 16 mi	m		112 × 24 mm
Max. c Length	able diameter 16 mi	m		
Length		m	No. of screw holes	2
-	147 n		Diam. of screw holes	5,8 mm
Width		nm	Screw material	Stainless steel (V2A)
	39 mi	m	Suitable for grommets	5 x KT small
KEL-ER-E4 Part No	o. 4825 9	9	Height	17 mm
EAN	42512	269312199	Mounting height	17 mm
o Packag	ge quantity 10		Cut-out size	86 × 24 mm
For ma	ax. no. of cables 4		No. of screw holes	2
Max. c	able diameter 16 mi	m	Diam. of screw holes	5,8 mm
Length	120 n	nm	Screw material	Mild steel, galvanically zinc
Width	39 mi	m		plated
			Suitable for grommets	4 x KT small
KEL-ER-E4 V2A Part No	o. 4825	9.200	Height	17 mm
EAN	42512	269312205	Mounting height	17 mm
	ge quantity 10		Cut-out size	86 × 24 mm
	ax. no. of cables 4		No. of screw holes	2
	able diameter 16 mi		Diam. of screw holes	5,8 mm
Length			Screw material	Stainless steel (V2A)
Width	39 mi	m	Suitable for grommets	4 x KT small
KEL-ER-E3 Dort N				
			Height	17 mm
EAN		269312175	Mounting height	17 mm
	ge quantity 10		Cut-out size	65 × 24 mm
	ax. no. of cables 3		No. of screw holes	2
	able diameter 16 mi		Diam. of screw holes	5,8 mm
Length			Screw material	Mild steel, galvanically zinc
Width	39 mi	m		plated
			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. EAN Package quantity For max. no. of cables Max. cable diameter Length Width	48249 4251269312137 10 2 16 mm 73 mm 39 mm	Height Mounting height Cut-out size No. of screw holes Diam. of screw holes Screw material Suitable for grommets	17 mm 17 mm 43 × 24 mm 2 5,8 mm Mild steel, galvanically zinc plated 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

