

KEL-ER CR split cable entry frames

for the use in cleanrooms / 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 CR 1 - 15) and 16 to 35 mm (single-hole grommets KT CR 16 - 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 CR 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 CR frame matches the cut-out dimensions of 46 x 46 mm measuring instruments.

The single-row versions KEL-ER-E CR 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 products with article ending .600 are tested and certified for particle emission for cleanroom class 1 according to ISO 14644-1. The materials used for these products have been tested and certified for outgassing according to VOC/SVOC (ISO 14644-8; ISO 16000-6,-9,-11,-25, VDI 2083 sheet 17).

The products with the article ending .601 are tested and certified for particle emission for cleanroom class 1 according to ISO 14644-1.

*4X for indoor use only

IP54



RoHS compliant

IP55



IP64



Made in Germany

IP65



IP66



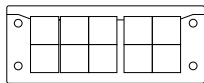
Specifications

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

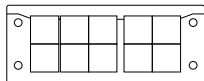
Product Types & Sizes

Advantages & Benefits

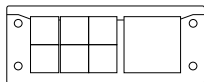
- Warranty on pre-terminated cables remains
- Retrofits, repairs and maintenance can be done much more easily and quickly
- High cable density, wide variety of grommets
- Strain relief according to EN 62444
- High stability, vibration resistant
- Space-saving shape

KEL-ER 24|10 CR

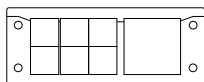
Part No.	48241.601	Height	17 mm
EAN	4251269325892	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	10	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	nein
		Suitable for grommets	10 x KT small

KEL-ER 24|10 CR (S)VOC

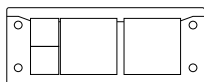
Part No.	48241.600	Height	17 mm
EAN	4251269325755	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	10	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	10 x KT small

KEL-ER 24|7 CR

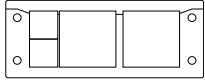
Part No.	48247.601	Height	17 mm
EAN	4251269325915	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	nein
		Suitable for grommets	6 x KT small 1 x KT large

KEL-ER 24|7 CR (S)VOC

Part No.	48247.600	Height	17 mm
EAN	4251269325779	Mounting height	17 mm
Package quantity	5	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	(S)VOC tested	ja
		Suitable for grommets	6 x KT small 1 x KT large

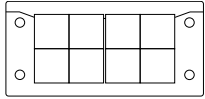
KEL-ER 24|4 CR

Part No.	48244.601	Height	17 mm
EAN	4251269325908	Mounting height	17 mm
Package quantity	5	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	(S)VOC tested	nein
		Suitable for grommets	2 x KT small 2 x KT large

**KEL-ER 24|4 CR
(S)VOC**

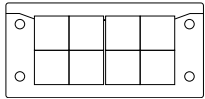
Part No. **48244.600**
 EAN **4251269325762**
 Package quantity **5**
 For max. no. of cables **4**
 Max. cable diameter **35 mm**
 Length **147 mm**
 Width **58 mm**

Height **17 mm**
 Mounting height **17 mm**
 Cut-out size **112 × 36 mm**
 No. of screw holes **4**
 Diam. of screw holes **5,8 mm**
 Screw material **Mild steel, galvanically zinc plated**
 (S)VOC tested **ja**
 Suitable for grommets **2 x KT small
2 x KT large**

KEL-ER 16|8 CR

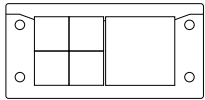
Part No. **48168.601**
 EAN **4251269325847**
 Package quantity **5**
 For max. no. of cables **8**
 Max. cable diameter **16 mm**
 Length **120 mm**
 Width **58 mm**

Height **17 mm**
 Mounting height **17 mm**
 Cut-out size **86 × 36 mm**
 No. of screw holes **4**
 Diam. of screw holes **5,8 mm**
 Screw material **Mild steel, galvanically zinc plated**
 (S)VOC tested **nein**
 Suitable for grommets **8 x KT small**

**KEL-ER 16|8 CR
(S)VOC**

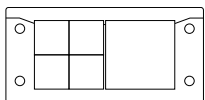
Part No. **48168.600**
 EAN **4251269325700**
 Package quantity **5**
 For max. no. of cables **8**
 Max. cable diameter **16 mm**
 Length **120 mm**
 Width **58 mm**

Height **17 mm**
 Mounting height **17 mm**
 Cut-out size **86 × 36 mm**
 No. of screw holes **4**
 Diam. of screw holes **5,8 mm**
 Screw material **Mild steel, galvanically zinc plated**
 (S)VOC tested **ja**
 Suitable for grommets **8 x KT small**

KEL-ER 16|5 CR

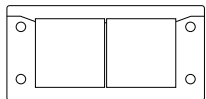
Part No. **48165.601**
 EAN **4251269325830**
 Package quantity **5**
 For max. no. of cables **5**
 Max. cable diameter **35 mm**
 Length **120 mm**
 Width **58 mm**

Height **17 mm**
 Mounting height **17 mm**
 Cut-out size **86 × 36 mm**
 No. of screw holes **4**
 Diam. of screw holes **5,8 mm**
 Screw material **Mild steel, galvanically zinc plated**
 (S)VOC tested **nein**
 Suitable for grommets **4 x KT small
1 x KT large**

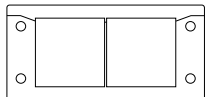
**KEL-ER 16|5 CR
(S)VOC**

Part No. **48165.600**
 EAN **4251269325694**
 Package quantity **5**
 For max. no. of cables **5**
 Max. cable diameter **35 mm**
 Length **120 mm**
 Width **58 mm**

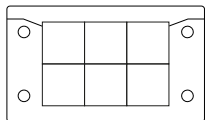
Height **17 mm**
 Mounting height **17 mm**
 Cut-out size **86 × 36 mm**
 No. of screw holes **4**
 Diam. of screw holes **5,8 mm**
 Screw material **Mild steel, galvanically zinc plated**
 (S)VOC tested **ja**
 Suitable for grommets **4 x KT small
1 x KT large**

KEL-ER 16|2 CR

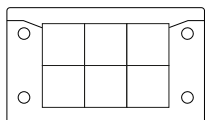
Part No.	48162.601	Height	17 mm
EAN	4251269325823	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	2	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	nein
		Suitable for grommets	2 x KT large

KEL-ER 16|2 CR (S)VOC

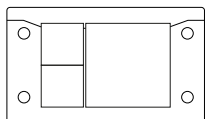
Part No.	48162.600	Height	17 mm
EAN	4251269325687	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	2	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	2 x KT large

KEL-ER 10|6 CR

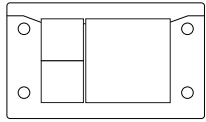
Part No.	48216.601	Height	17 mm
EAN	4251269325885	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	nein
		Suitable for grommets	6 x KT small

KEL-ER 10|6 CR (S)VOC

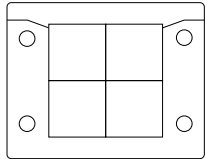
Part No.	48216.600	Height	17 mm
EAN	4251269325748	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	6 x KT small

KEL-ER 10|3 CR

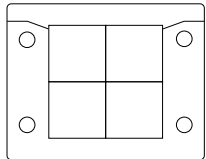
Part No.	48212.601	Height	17 mm
EAN	4251269325878	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	3	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	nein
		Suitable for grommets	2 x KT small
			1 x KT large

**KEL-ER 10|3 CR
(S)VOC**

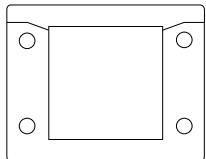
Part No.	48212.600	Height	17 mm
EAN	4251269325731	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	3	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	2 x KT small 1 x KT large

KEL-ER-B4 CR

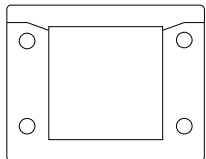
Part No.	48204.601	Height	17 mm
EAN	4251269325854	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	nein
		Suitable for grommets	4 x KT small

KEL-ER-B4 CR (S)VOC

Part No.	48204.600	Height	17 mm
EAN	4251269325717	Mounting height	17 mm
Package quantity	5	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	(S)VOC tested	ja
		Suitable for grommets	4 x KT small

KEL-ER-B1 CR

Part No.	48206.601	Height	17 mm
EAN	4251269325861	Mounting height	17 mm
Package quantity	5	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	(S)VOC tested	nein
		Suitable for grommets	1 x KT large

KEL-ER-B1 CR (S)VOC

Part No.	48206.600	Height	17 mm
EAN	4251269325724	Mounting height	17 mm
Package quantity	5	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	(S)VOC tested	ja
		Suitable for grommets	1 x KT large

KEL-ER-E5 CR

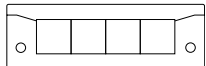
Part No.	48250.601	Height	17 mm
EAN	4251269325939	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 24 mm
For max. no. of cables	5	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested	nein
		Suitable for grommets	5 x KT small

KEL-ER-E5 CR (S)VOC

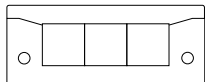
Part No.	48250.600	Height	17 mm
EAN	4251269325793	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 24 mm
For max. no. of cables	5	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested	ja
		Suitable for grommets	5 x KT small

KEL-ER-E4 CR

Part No.	48259.601	Height	17 mm
EAN	4251269325953	Mounting height	17 mm
Package quantity	5	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	(S)VOC tested	nein
		Suitable for grommets	4 x KT small

KEL-ER-E4 CR (S)VOC

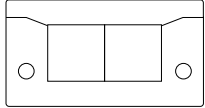
Part No.	48259.600	Height	17 mm
EAN	4251269325816	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 24 mm
For max. no. of cables	4	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested	ja
		Suitable for grommets	4 x KT small

KEL-ER-E3 CR

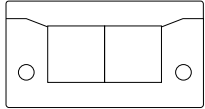
Part No.	48258.601	Height	17 mm
EAN	4251269325946	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 24 mm
For max. no. of cables	3	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested	nein
		Suitable for grommets	3 x KT small

KEL-ER-E3 CR (S)VOC

Part No.	48258.600	Height	17 mm
EAN	4251269325809	Mounting height	17 mm
Package quantity	5	No. of screw holes	2
For max. no. of cables	3	Diam. of screw holes	5,8 mm
Max. cable diameter	16 mm	Screw material	Mild steel, galvanically zinc plated
Length	98 mm	(S)VOC tested	ja
Width	39 mm	Suitable for grommets	3 x KT small

KEL-ER-E2 CR

Part No.	48249.601	Height	17 mm
EAN	4251269325922	Mounting height	17 mm
Package quantity	5	Cut-out size	43 x 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	(S)VOC tested	nein
		Suitable for grommets	2 x KT small

KEL-ER-E2 CR (S)VOC

Part No.	48249.600	Height	17 mm
EAN	4251269325786	Mounting height	17 mm
Package quantity	5	Cut-out size	43 x 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	(S)VOC tested	ja
		Suitable for grommets	2 x KT small