

KEL-ER CR split cable entry frames

for the use in cleanrooms / IP66 / UL Type 12/4X*



IP54

UL TYPE 4X

ISO 4892-2A

IP55

CULUS

EN ISO 14644

IP64

RINA

PNEUMATICS

IP65

HL3 EN 45545-2

RoHS compliant

IP66

EN 61373

REACH COMPLIANCE

UL TYPE 12

ECOLAB certified

Made in Germany

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 × 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.

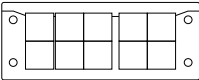
*4X for indoor use only

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

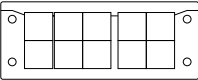
KEL-ER 24|10 CR



Part No.	48241.601
EAN	4251269325892
Package quantity	5
For max. no. of cables	10
Max. cable diameter	16 mm
Length	147 mm
Width	58 mm

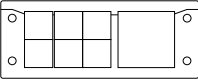
Height	17 mm
Mounting height	17 mm
Cut-out size	112 × 36 mm
No. of screw holes	4
Diam. of screw holes	5,8 mm
Screw material	Mild steel, galvanically zinc plated
(S)VOC tested	No
Suitable for grommets	10 x KT small

KEL-ER 24|10 CR
(S)VOC



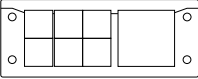
Part No.	48241.600	Height	17 mm
EAN	4251269325755	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	10	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC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

KEL-ER 24|7 CR



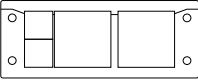
Part No.	48247.601	Height	17 mm
EAN	4251269325915	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC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

KEL-ER 24|7 CR
(S)VOC



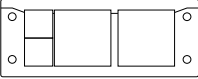
Part No.	48247.600	Height	17 mm
EAN	4251269325779	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	6 x KT small 1 x KT large

KEL-ER 24|4 CR



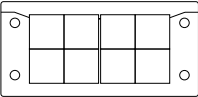
Part No.	48244.601	Height	17 mm
EAN	4251269325908	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	2 x KT small 2 x KT large

KEL-ER 24|4 CR
(S)VOC



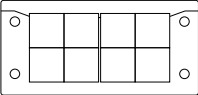
Part No.	48244.600	Height	17 mm
EAN	4251269325762	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	2 x KT small 2 x KT large

KEL-ER 16|8 CR



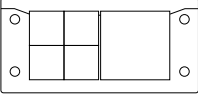
Part No.	48168.601	Height	17 mm
EAN	4251269325847	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	8	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	8 x KT small

KEL-ER 16|8 CR
(S)VOC



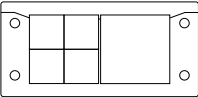
Part No.	48168.600	Height	17 mm
EAN	4251269325700	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	8	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	8 x KT small

KEL-ER 16|5 CR



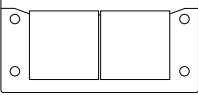
Part No.	48165.601	Height	17 mm
EAN	4251269325830	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	5	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	4 x KT small 1 x KT large

KEL-ER 16|5 CR
(S)VOC



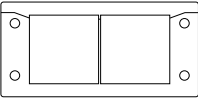
Part No.	48165.600	Height	17 mm
EAN	4251269325694	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	5	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	4 x KT small 1 x KT large

KEL-ER 16|2 CR



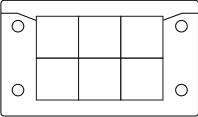
Part No.	48162.601	Height	17 mm
EAN	4251269325823	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	2	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER 16|2 CR
(S)VOC



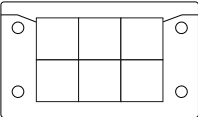
Part No.	48162.600	Height	17 mm
EAN	4251269325687	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	2	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER 10|6 CR



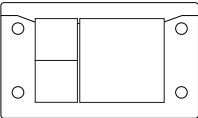
Part No.	48216.601	Height	17 mm
EAN	4251269325885	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER 10|6 CR
(S)VOC



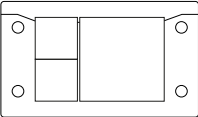
Part No.	48216.600	Height	17 mm
EAN	4251269325748	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER 10|3 CR



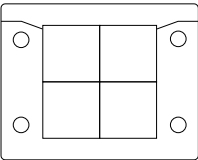
Part No.	48212.601	Height	17 mm
EAN	4251269325878	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	3	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER 10|3 CR
(S)VOC



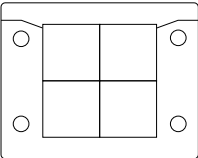
Part No.	48212.600	Height	17 mm
EAN	4251269325731	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	3	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER-B4 CR



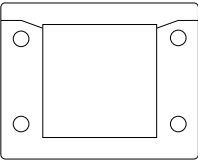
Part No.	48204.601	Height	17 mm
EAN	4251269325854	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested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

KEL-ER-B4 CR (S)VOC



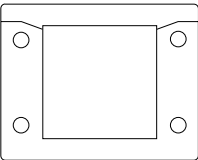
Part No.	48204.600	Height	17 mm
EAN	4251269325717	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	4 x KT small

KEL-ER-B1 CR



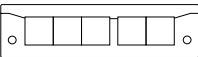
Part No.	48206.601	Height	17 mm
EAN	4251269325861	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	1	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	1 x KT large

KEL-ER-B1 CR (S)VOC



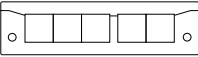
Part No.	48206.600	Height	17 mm
EAN	4251269325724	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	1	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	1 x KT large

KEL-ER-E5 CR



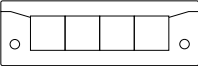
Part No.	48250.601	Height	17 mm
EAN	4251269325939	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 24 mm
For max. no. of cables	5	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC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

KEL-ER-E5 CR (S)VOC



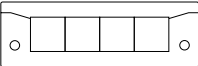
Part No.	48250.600	Height	17 mm
EAN	4251269325793	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 24 mm
For max. no. of cables	5	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC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

KEL-ER-E4 CR



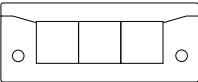
Part No.	48259.601	Height	17 mm
EAN	4251269325953	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 24 mm
For max. no. of cables	4	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested	No
		Suitable for grommets	4 x KT small

KEL-ER-E4 CR (S)VOC



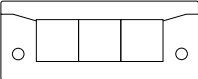
Part No.	48259.600	Height	17 mm
EAN	4251269325816	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 24 mm
For max. no. of cables	4	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested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

KEL-ER-E3 CR



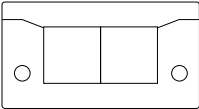
Part No.	48258.601	Height	17 mm
EAN	4251269325946	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 24 mm
For max. no. of cables	3	No. of screw holes	2
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	39 mm	(S)VOC tested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

KEL-ER-E3 CR (S)VOC



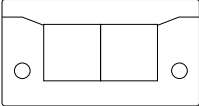
Part No.	48258.600	Height	17 mm
EAN	4251269325809	Mounting height	17 mm
Package quantity	5	No. of screw holes	2
For max. no. of cables	3	Diam. of screw holes	5,8 mm
Max. cable diameter	16 mm	Screw material	Mild steel, galvanically zinc plated
Length	98 mm	(S)VOC tested	ja
Width	39 mm	Suitable for grommets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