

KEL-U CR split cable entry frames

for the use in cleanrooms / IP54 / UL Type 12



IP54

ECOLAB certified

Made in Germany

UL TYPE 12

UV ISO 4892-2A

CULUS

EN ISO 14644

RIA

PNEUMATICS

HL3 EN 45545-2

RoHS compliant

EN 61373

REACH COMPLIANCE

Split cable entry system for routing cables with connectors providing an IP54 / UL Type 12 rating. Routing, sealing and providing strain relief for cable diameters from 1 to 35 mm.

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-U 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-U-B CR frame matches the cut-out dimensions of 46 × 46 mm measuring instruments.

The single-row versions KEL-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.

Specifications

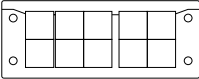
IP rating (EN 60529)	IP54
UL Type (UL 50E)	UL Type 12
Material	Polyamide
Flame class	UL94-V0, self-extinguishing
Operating temperature	-40 C° to 140 C°
Properties	vibration proof, UV-resistant, silicone free, anti-corrosive (V2A versions), halogen free
Mounting options	Snap-in with KEL-SNAP,Screw type mounting
Mounting height	17 mm

Advantages & benefits

- Fast and easy assembly
- 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
- Greatly increased cable density when using double or quadruple grommets

Product types & sizes

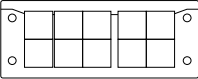
KEL-U 24|10 CR



Part No.	54241.601
EAN	4251269326134
Package quantity	5
For max. no. of cables	40
Max. cable diameter	17 mm
Length	147 mm
Width	58 mm

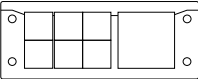
Height	17 mm
Mounting height	17 mm
Cut-out size	112 × 36 mm
No. of screw holes	4
Diam. of screw holes	5,8 mm
Screw material	Mild steel, galvanically zinc plated
(S)VOC tested	No
Suitable for grommets	10 x KT small

KEL-U 24|10 CR
(S)VOC



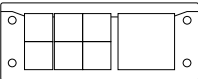
Part No.	54241.600	Height	17 mm
EAN	4251269326035	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	40	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	10 x KT small

KEL-U 24|7 CR



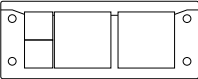
Part No.	54247.601	Height	17 mm
EAN	4251269326158	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	25	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	6 x KT small 1 x KT large

KEL-U 24|7 CR (S)VOC



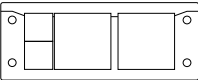
Part No.	54247.600	Height	17 mm
EAN	4251269326059	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	25	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	6 x KT small 1 x KT large

KEL-U 24|4 CR



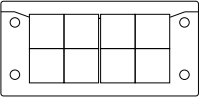
Part No.	54244.601	Height	17 mm
EAN	4251269326141	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	2 x KT small 2 x KT large

KEL-U 24|4 CR (S)VOC



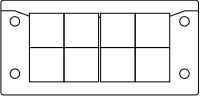
Part No.	54244.600	Height	17 mm
EAN	4251269326042	Mounting height	17 mm
Package quantity	5	Cut-out size	112 × 36 mm
For max. no. of cables	6	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	2 x KT small 2 x KT large

KEL-U 16|8 CR



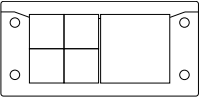
Part No.	54168.601	Height	17 mm
EAN	4251269326080	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	32	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	8 x KT small

KEL-U 16|8 CR (S)VOC



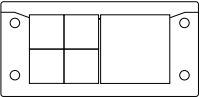
Part No.	54168.600	Height	17 mm
EAN	4251269325984	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	32	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	8 x KT small

KEL-U 16|5 CR



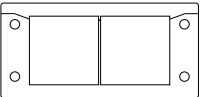
Part No.	54165.601	Height	17 mm
EAN	4251269326073	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	17	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	4 x KT small 1 x KT large

KEL-U 16|5 CR (S)VOC



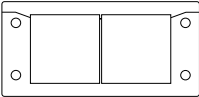
Part No.	54165.600	Height	17 mm
EAN	4251269325977	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	17	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	4 x KT small 1 x KT large

KEL-U 16|2 CR



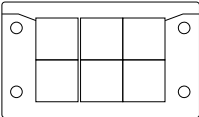
Part No.	54162.601	Height	17 mm
EAN	4251269326066	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	2	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	2 x KT large

KEL-U 16|2 CR (S)VOC



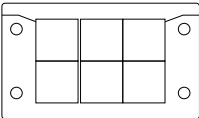
Part No.	54162.600	Height	17 mm
EAN	4251269325960	Mounting height	17 mm
Package quantity	5	Cut-out size	86 × 36 mm
For max. no. of cables	2	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	120 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	2 x KT large

KEL-U 10|6 CR



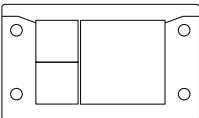
Part No.	54216.601	Height	17 mm
EAN	4251269326127	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	24	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	6 x KT small

KEL-U 10|6 CR (S)VOC



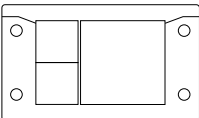
Part No.	54216.600	Height	17 mm
EAN	4251269326028	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	24	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	6 x KT small

KEL-U 10|3 CR



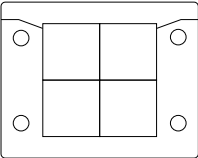
Part No.	54212.601	Height	17 mm
EAN	4251269326110	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	9	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	2 x KT small 1 x KT large

KEL-U 10|3 CR (S)VOC



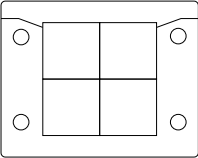
Part No.	54212.600	Height	17 mm
EAN	4251269326011	Mounting height	17 mm
Package quantity	5	Cut-out size	65 × 36 mm
For max. no. of cables	9	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	98 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	2 x KT small 1 x KT large

KEL-U-B4 CR



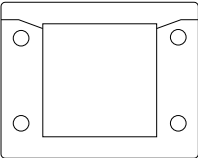
Part No.	54204.601	Height	17 mm
EAN	4251269326097	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	16	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	No
		Suitable for grommets	4 x KT small

KEL-U-B4 CR (S)VOC



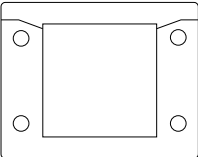
Part No.	54204.600	Height	17 mm
EAN	4251269325991	Mounting height	17 mm
Package quantity	5	Cut-out size	46 × 46 mm
For max. no. of cables	16	No. of screw holes	4
Max. cable diameter	17 mm	Diam. of screw holes	5,8 mm
Length	73 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	(S)VOC tested	ja
		Suitable for grommets	4 x KT small

KEL-U-B1 CR



Part No.	54206.601	Height	17 mm
EAN	4251269326103	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-U-B1 CR (S)VOC



Part No.	54206.600	Height	17 mm
EAN	4251269326004	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