KEL-U CR split cable entry frames

for the use in cleanrooms / IP54 / UL Type 12

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

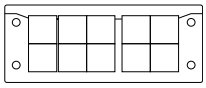
IP rating (EN 60529)	IP54
UL Type (UL 50E)	UL Type 12
Material	Polyamide
Flame class	UL94-V0, self-extinguishing
Operating temperature	-40 C° to 140 C°
Properties	vibration proof, UV-resistant, silicone free, anti-corrosive (V2A versions), halogen free
Mounting options	Snap-in with KEL-SNAP,Screw type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

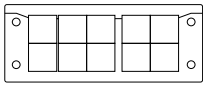
KEL-U 24|10 CR



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	**nein**
Suitable for grommets	**10 x KT small**

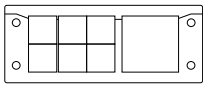
KEL-U 24|10 CR (S)VOC



Part No.	**54241.600**
EAN	**4251269326035**
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	**ja**
Suitable for grommets	**10 x KT small**

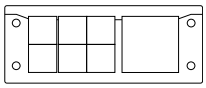
KEL-U 24|7 CR



Part No.	**54247.601**
EAN	**4251269326158**
Package quantity	**5**
For max. no. of cables	**25**
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	**nein**
Suitable for grommets	**6 x KT small** **1 x KT large**

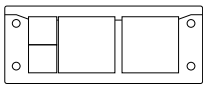
KEL-U 24|7 CR (S)VOC



Part No.	**54247.600**
EAN	**4251269326059**
Package quantity	**5**
For max. no. of cables	**25**
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	**6 x KT small** **1 x KT large**

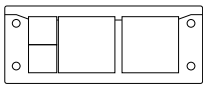
KEL-U 24|4 CR



Part No.	**54244.601**
EAN	**4251269326141**
Package quantity	**5**
For max. no. of cables	**6**
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	**nein**
Suitable for grommets	**2 x KT small** **2 x KT large**

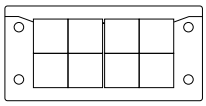
KEL-U 24|4 CR (S)VOC



Part No.	**54244.600**
EAN	**4251269326042**
Package quantity	**5**
For max. no. of cables	**6**
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**

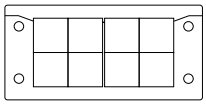
KEL-U 16|8 CR



Part No.	**54168.601**
EAN	**4251269326080**
Package quantity	**5**
For max. no. of cables	**32**
Max. cable diameter	**17 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**

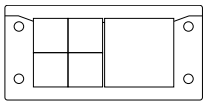
KEL-U 16|8 CR (S)VOC



Part No.	**54168.600**
EAN	**4251269325984**
Package quantity	**5**
For max. no. of cables	**32**
Max. cable diameter	**17 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**

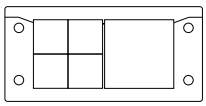
KEL-U 16|5 CR



Part No.	**54165.601**
EAN	**4251269326073**
Package quantity	**5**
For max. no. of cables	**17**
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**

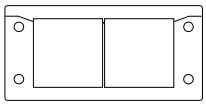
KEL-U 16|5 CR (S)VOC



Part No.	**54165.600**
EAN	**4251269325977**
Package quantity	**5**
For max. no. of cables	**17**
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**

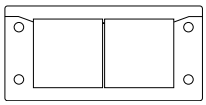
KEL-U 16|2 CR



Part No.	**54162.601**
EAN	**4251269326066**
Package quantity	**5**
For max. no. of cables	**2**
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	**2 x KT large**

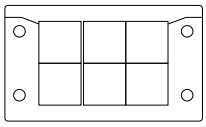
KEL-U 16|2 CR (S)VOC



Part No.	**54162.600**
EAN	**4251269325960**
Package quantity	**5**
For max. no. of cables	**2**
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	**2 x KT large**

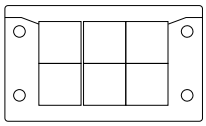
KEL-U 10|6 CR



Part No.	**54216.601**
EAN	**4251269326127**
Package quantity	**5**
For max. no. of cables	**24**
Max. cable diameter	**17 mm**
Length	**98 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**65 × 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	**6 x KT small**

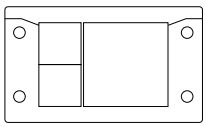
KEL-U 10|6 CR (S)VOC



Part No.	**54216.600**
EAN	**4251269326028**
Package quantity	**5**
For max. no. of cables	**24**
Max. cable diameter	**17 mm**
Length	**98 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**65 × 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	**6 x KT small**

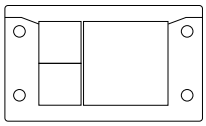
KEL-U 10|3 CR



Part No.	**54212.601**
EAN	**4251269326110**
Package quantity	**5**
For max. no. of cables	**9**
Max. cable diameter	**35 mm**
Length	**98 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**65 × 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	**2 x KT small** **1 x KT large**

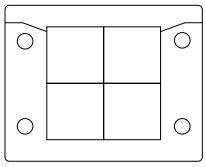
KEL-U 10|3 CR (S)VOC



Part No.	**54212.600**
EAN	**4251269326011**
Package quantity	**5**
For max. no. of cables	**9**
Max. cable diameter	**35 mm**
Length	**98 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**65 × 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** **1 x KT large**

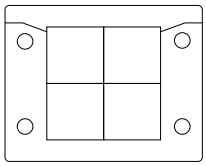
KEL-U-B4 CR



Part No.	**54204.601**
EAN	**4251269326097**
Package quantity	**5**
For max. no. of cables	**16**
Max. cable diameter	**17 mm**
Length	**73 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**46 × 46 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**

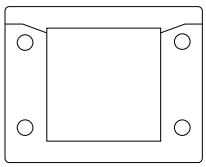
KEL-U-B4 CR (S)VOC



Part No.	**54204.600**
EAN	**4251269325991**
Package quantity	**5**
For max. no. of cables	**16**
Max. cable diameter	**17 mm**
Length	**73 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**46 × 46 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**

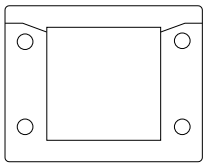
KEL-U-B1 CR



Part No.	**54206.601**
EAN	**4251269326103**
Package quantity	**5**
For max. no. of cables	**1**
Max. cable diameter	**35 mm**
Length	**73 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**46 × 46 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	**1 x KT large**

KEL-U-B1 CR (S)VOC



Part No.	**54206.600**
EAN	**4251269326004**
Package quantity	**5**
For max. no. of cables	**1**
Max. cable diameter	**35 mm**
Length	**73 mm**
Width	**58 mm**

Height	**17 mm**
Mounting height	**17 mm**
Cut-out size	**46 × 46 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	**1 x KT large**