

# KEL-U split cable entry frames

for cables with connectors / 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 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 frame matches the cut-out dimensions of 46 x 46 mm measuring instruments.

For tool-free assembly / disassembly of the cable entry frames the snap mounting frame KEL-SNAP can be used.

The single-row versions KELE 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.



## Specifications

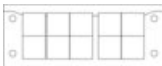
<b>IP rating (EN 60529)</b>	IP54
<b>UL Type (UL 50E)</b>	UL Type 12
<b>Material</b>	Polyamide
<b>Flame class</b>	UL94-V0, self-extinguishing
<b>Operating temperature</b>	-40 C° to 140 C°
<b>Properties</b>	vibration proof, UV-resistant, silicone free, anti-corrosive (V2A versions), halogen free
<b>Mounting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

## Advantages & benefits

- Sehr einfache Bestückung und Montage
- Garantierhalt konfektionierter Leitungen
- Nachrüstungen, Servicearbeiten problemlos und schnell durchführbar
- Hohe Packungsdichte, große Variabilität
- Zugentlastung gemäß DIN EN 62444
- Hohe Stabilität, vibrationsicher
- Platz sparende, kompakte Bauform
- Wesentliche Erhöhung der Packungsdichte durch Zweifach- und Vierfach-Tüllen

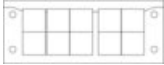
## Product types & sizes

KEL-U 24|10

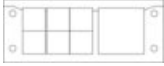


Part No.	<b>54241</b>
EAN	<b>4251269315725</b>
PU	<b>10</b>
For max. no. of cables	<b>40</b>
Max. cable diameter	<b>17 mm</b>
Length	<b>147 mm</b>
Width	<b>58 mm</b>

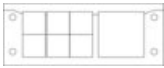
Height	<b>17 mm</b>
Mounting height	<b>17 mm</b>
Cut-out size	<b>112 x 36 mm</b>
No. of screw holes	<b>4</b>
Diam. of screw holes	<b>5,8 mm</b>
Screw material	<b>Stahl, galvanisch verzinkt</b>
Suitable for grommets	<b>10 x KT small</b>

**KEL-U 24|10 V2A**

Part No.	<b>54241.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315732</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 x 36 mm</b>
For max. no. of cables	<b>40</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>10 x KT small</b>

**KEL-U 24|7**

Part No.	<b>54247</b>	Height	<b>17 mm</b>
EAN	<b>4251269315763</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 x 36 mm</b>
For max. no. of cables	<b>25</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>6 x KT small 1 x KT large</b>

**KEL-U 24|7 V2A**

Part No.	<b>54247.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315770</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 x 36 mm</b>
For max. no. of cables	<b>25</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>6 x KT small 1 x KT large</b>

**KEL-U 24|4**

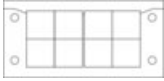
Part No.	<b>54244</b>	Height	<b>17 mm</b>
EAN	<b>4251269315749</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 x 36 mm</b>
For max. no. of cables	<b>6</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT small 2 x KT large</b>

**KEL-U 24|4 V2A**

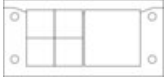
Part No.	<b>54244.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315756</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 x 36 mm</b>
For max. no. of cables	<b>6</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT small 2 x KT large</b>

**KEL-U 16|8**

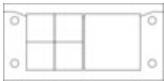
Part No.	<b>54168</b>	Height	<b>17 mm</b>
EAN	<b>4251269315626</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 x 36 mm</b>
For max. no. of cables	<b>32</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>8 x KT small</b>

**KEL-U 16|8 V2A**

Part No.	<b>54168.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315633</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 x 36 mm</b>
For max. no. of cables	<b>32</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>8 x KT small</b>

**KEL-U 16|5**

Part No.	<b>54165</b>	Height	<b>17 mm</b>
EAN	<b>4251269315602</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 x 36 mm</b>
For max. no. of cables	<b>17</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small 1 x KT large</b>

**KEL-U 16|5 V2A**

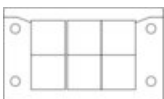
Part No.	<b>54165.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315619</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 x 36 mm</b>
For max. no. of cables	<b>17</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small 1 x KT large</b>

**KEL-U 16|2**

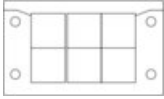
Part No.	<b>54162</b>	Height	<b>17 mm</b>
EAN	<b>4251269315589</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 x 36 mm</b>
For max. no. of cables	<b>2</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT large</b>

**KEL-U 16|2 V2A**

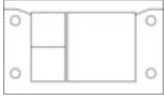
Part No.	<b>54162.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315596</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 x 36 mm</b>
For max. no. of cables	<b>2</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT large</b>

**KEL-U 10|6**

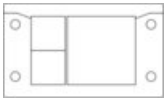
Part No.	<b>54216</b>	Height	<b>17 mm</b>
EAN	<b>4251269315701</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>65 x 36 mm</b>
For max. no. of cables	<b>24</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>6 x KT small</b>

**KEL-U 10|6 V2A**

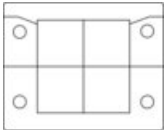
Part No.	<b>54216.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315718</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>24</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>6 x KT small</b>

**KEL-U 10|3**

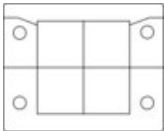
Part No.	<b>54212</b>	Height	<b>17 mm</b>
EAN	<b>4251269315688</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>9</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT small 1 x KT large</b>

**KEL-U 10|3 V2A**

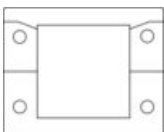
Part No.	<b>54212.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315695</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>9</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT small 1 x KT large</b>

**KEL-U-B4**

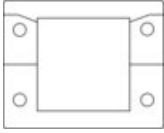
Part No.	<b>54204</b>	Height	<b>17 mm</b>
EAN	<b>4251269315640</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>16</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small</b>

**KEL-U-B4 V2A**

Part No.	<b>54204.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315657</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>16</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small</b>

**KEL-U-B1**

Part No.	<b>54206</b>	Height	<b>17 mm</b>
EAN	<b>4251269315664</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>1</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>1 x KT large</b>

**KEL-U-B1 V2A**

Part No.	<b>54206.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315671</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>1</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>1 x KT large</b>

**KEL-E5**

Part No.	<b>42250</b>	Height	<b>17 mm</b>
EAN	<b>4251269308376</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 × 24 mm</b>
For max. no. of cables	<b>20</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>5 x KT small</b>

**KEL-E5 V2A**

Part No.	<b>42250.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269308383</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>112 × 24 mm</b>
For max. no. of cables	<b>20</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>5 x KT small</b>

**KEL-E4**

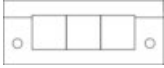
Part No.	<b>42259</b>	Height	<b>17 mm</b>
EAN	<b>4251269308413</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 × 24 mm</b>
For max. no. of cables	<b>16</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>4 x KT small</b>

**KEL-E4 V2A**

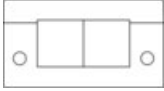
Part No.	<b>42259.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269308420</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>86 × 24 mm</b>
For max. no. of cables	<b>16</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>120 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>4 x KT small</b>

**KEL-E3**

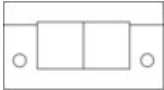
Part No.	<b>42258</b>	Height	<b>17 mm</b>
EAN	<b>4251269308390</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>65 × 24 mm</b>
For max. no. of cables	<b>12</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>3 x KT small</b>

**KEL-E3 V2A**

Part No.	<b>42258.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269308406</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>65 x 24 mm</b>
For max. no. of cables	<b>12</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>3 x KT small</b>

**KEL-E2**

Part No.	<b>42249</b>	Height	<b>17 mm</b>
EAN	<b>4251269308352</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>43 x 24 mm</b>
For max. no. of cables	<b>8</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Stahl, galvanisch verzinkt</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>2 x KT small</b>

**KEL-E2 V2A**

Part No.	<b>42249.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269308369</b>	Mounting height	<b>17 mm</b>
PU	<b>10</b>	Cut-out size	<b>43 x 24 mm</b>
For max. no. of cables	<b>8</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Edelstahl V2A</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>2 x KT small</b>