

# KEL-U | KEL-E | 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 KEL-E 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.

**This product is available in different versions: With steel screws or stainless steel screws. It is also possible to integrate threaded bushings. Please ask us about your desired variant.**

The version with threaded bushings enables the cable entry frame to be screwed onto the housing from the inside out. This protects against vandalism and tampering with the housing from the outside.

## Specifications

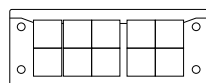
<b>IP rating (EN 60529)</b>	IP54
<b>UL Type (UL 50E)</b>	UL Type 12
<b>Material</b>	Polyamide
<b>Flame class</b>	UL94-V0, self-extinguishing
<b>Operating temperature</b>	-40 C° to 140 C°
<b>Properties</b>	vibration proof, UV-resistant, silicone free, anti-corrosive (V2A versions), halogen free
<b>Mounting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

## Advantages & benefits

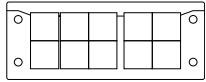
- Fast and easy assembly
- Warranty on pre-terminated cables remains
- Retrofits, repairs and maintenance can be done much more easily and quickly
- High cable density, wide variety of grommets
- Strain relief according to EN 62444
- High stability, vibration resistant
- Space-saving shape
- Greatly increased cable density when using double or quadruple grommets

## Product types & sizes

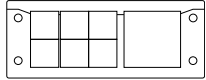
### KEL-U 24|10



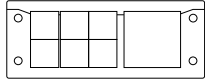
Part No.	<b>54241</b>	Height	<b>17 mm</b>
EAN	<b>4251269315725</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>112 x 36 mm</b>
For max. no. of cables	<b>40</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>10 x KT small</b>

**KEL-U 24|10 V2A**

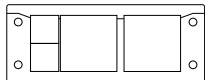
Part No.	<b>54241.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315732</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>112 × 36 mm</b>
For max. no. of cables	<b>40</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147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

**KEL-U 24|7**

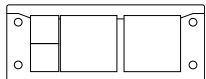
Part No.	<b>54247</b>	Height	<b>17 mm</b>
EAN	<b>4251269315763</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>112 × 36 mm</b>
For max. no. of cables	<b>25</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm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

**KEL-U 24|7 V2A**

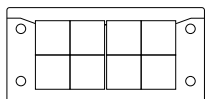
Part No.	<b>54247.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315770</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>112 × 36 mm</b>
For max. no. of cables	<b>25</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147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

**KEL-U 24|4**

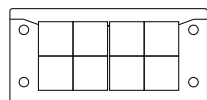
Part No.	<b>54244</b>	Height	<b>17 mm</b>
EAN	<b>4251269315749</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>112 × 36 mm</b>
For max. no. of cables	<b>6</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>147 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</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>
Package quantity	<b>10</b>	Cut-out size	<b>112 × 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>Stainless steel (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>
Package quantity	<b>10</b>	Cut-out size	<b>86 × 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>Mild steel, galvanically zinc plated</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>8 x KT small</b>

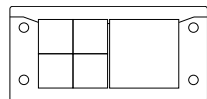
**KEL-U 16|8 V2A**

Part No.  
EAN  
Package quantity  
For max. no. of cables  
Max. cable diameter  
Length  
Width

**54168.200**  
**4251269315633**  
**10**  
**32**  
**17 mm**  
**120 mm**  
**58 mm**

Height  
Mounting height  
Cut-out size  
No. of screw holes  
Diam. of screw holes  
Screw material  
Suitable for grommets

**17 mm**  
**17 mm**  
**86 × 36 mm**  
**4**  
**5,8 mm**  
**Stainless steel (V2A)**  
**8 x KT small**

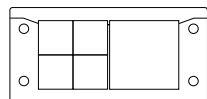
**KEL-U 16|5**

Part No.  
EAN  
Package quantity  
For max. no. of cables  
Max. cable diameter  
Length  
Width

**54165**  
**4251269315602**  
**10**  
**17**  
**35 mm**  
**120 mm**  
**58 mm**

Height  
Mounting height  
Cut-out size  
No. of screw holes  
Diam. of screw holes  
Screw material  
Suitable for grommets

**17 mm**  
**17 mm**  
**86 × 36 mm**  
**4**  
**5,8 mm**  
**Mild steel, galvanically zinc plated**  
**4 x KT small**  
**1 x KT large**

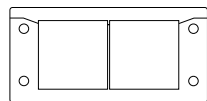
**KEL-U 16|5 V2A**

Part No.  
EAN  
Package quantity  
For max. no. of cables  
Max. cable diameter  
Length  
Width

**54165.200**  
**4251269315619**  
**10**  
**17**  
**35 mm**  
**120 mm**  
**58 mm**

Height  
Mounting height  
Cut-out size  
No. of screw holes  
Diam. of screw holes  
Screw material  
Suitable for grommets

**17 mm**  
**17 mm**  
**86 × 36 mm**  
**4**  
**5,8 mm**  
**Stainless steel (V2A)**  
**4 x KT small**  
**1 x KT large**

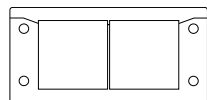
**KEL-U 16|2**

Part No.  
EAN  
Package quantity  
For max. no. of cables  
Max. cable diameter  
Length  
Width

**54162**  
**4251269315589**  
**10**  
**2**  
**35 mm**  
**120 mm**  
**58 mm**

Height  
Mounting height  
Cut-out size  
No. of screw holes  
Diam. of screw holes  
Screw material  
Suitable for grommets

**17 mm**  
**17 mm**  
**86 × 36 mm**  
**4**  
**5,8 mm**  
**Mild steel, galvanically zinc plated**  
**2 x KT large**

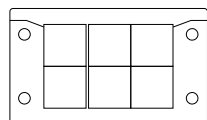
**KEL-U 16|2 V2A**

Part No.  
EAN  
Package quantity  
For max. no. of cables  
Max. cable diameter  
Length  
Width

**54162.200**  
**4251269315596**  
**10**  
**2**  
**35 mm**  
**120 mm**  
**58 mm**

Height  
Mounting height  
Cut-out size  
No. of screw holes  
Diam. of screw holes  
Screw material  
Suitable for grommets

**17 mm**  
**17 mm**  
**86 × 36 mm**  
**4**  
**5,8 mm**  
**Stainless steel (V2A)**  
**2 x KT large**

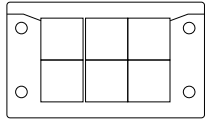
**KEL-U 10|6**

Part No.  
EAN  
Package quantity  
For max. no. of cables  
Max. cable diameter  
Length  
Width

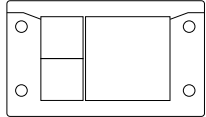
**54216**  
**4251269315701**  
**10**  
**24**  
**17 mm**  
**98 mm**  
**58 mm**

Height  
Mounting height  
Cut-out size  
No. of screw holes  
Diam. of screw holes  
Screw material  
Suitable for grommets

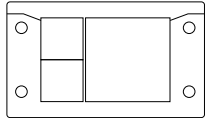
**17 mm**  
**17 mm**  
**65 × 36 mm**  
**4**  
**5,8 mm**  
**Mild steel, galvanically zinc plated**  
**6 x KT small**

**KEL-U 10|6 V2A**

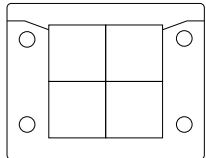
Part No.	<b>54216.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315718</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>24</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm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

**KEL-U 10|3**

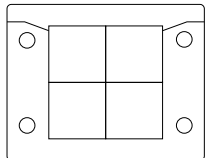
Part No.	<b>54212</b>	Height	<b>17 mm</b>
EAN	<b>4251269315688</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>9</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>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

**KEL-U 10|3 V2A**

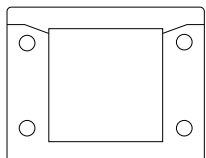
Part No.	<b>54212.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315695</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>9</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm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

**KEL-U-B4**

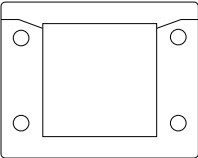
Part No.	<b>54204</b>	Height	<b>17 mm</b>
EAN	<b>4251269315640</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>16</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>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

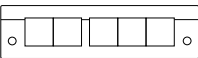
**KEL-U-B4 V2A**

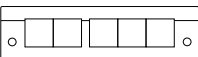
Part No.	<b>54204.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269315657</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>16</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm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

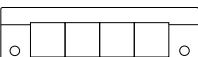
**KEL-U-B1**


Part No.	<b>54206</b>	Height	<b>17 mm</b>
EAN	<b>4251269315664</b>	Mounting height	<b>17 mm</b>
Package quantity	<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>Mild steel, galvanically zinc plated</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>1 x KT large</b>

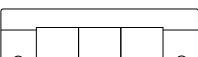
	<b>KEL-U-B1 V2A</b>	Part No.	<b>54206.200</b>	Height	<b>17 mm</b>
	EAN	<b>4251269315671</b>	Mounting height	<b>17 mm</b>	
	Package quantity	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>	
	For max. no. of cables	<b>1</b>	No. of screw holes	<b>4</b>	
	Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>	
	Length	<b>73 mm</b>	Screw material	<b>Stainless steel (V2A)</b>	
	Width	<b>58 mm</b>	Suitable for grommets	<b>1 x KT large</b>	

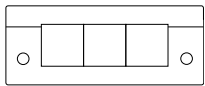
	<b>KEL-E5</b>	Part No.	<b>42250</b>	Height	<b>17 mm</b>
	EAN	<b>4251269308376</b>	Mounting height	<b>17 mm</b>	
	Package quantity	<b>10</b>	Cut-out size	<b>112 × 24 mm</b>	
	For max. no. of cables	<b>20</b>	No. of screw holes	<b>2</b>	
	Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>	
	Length	<b>147 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</b>	
	Width	<b>39 mm</b>	Suitable for grommets	<b>5 x KT small</b>	

	<b>KEL-E5 V2A</b>	Part No.	<b>42250.200</b>	Height	<b>17 mm</b>
	EAN	<b>4251269308383</b>	Mounting height	<b>17 mm</b>	
	Package quantity	<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>Stainless steel (V2A)</b>	
	Width	<b>39 mm</b>	Suitable for grommets	<b>5 x KT small</b>	

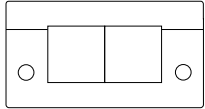
	<b>KEL-E4</b>	Part No.	<b>42259</b>	Height	<b>17 mm</b>
	EAN	<b>4251269308413</b>	Mounting height	<b>17 mm</b>	
	Package quantity	<b>10</b>	Cut-out size	<b>86 × 24 mm</b>	
	For max. no. of cables	<b>16</b>	No. of screw holes	<b>2</b>	
	Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>	
	Length	<b>120 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</b>	
	Width	<b>39 mm</b>	Suitable for grommets	<b>4 x KT small</b>	

	<b>KEL-E4 V2A</b>	Part No.	<b>42259.200</b>	Height	<b>17 mm</b>
	EAN	<b>4251269308420</b>	Mounting height	<b>17 mm</b>	
	Package quantity	<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>Stainless steel (V2A)</b>	
	Width	<b>39 mm</b>	Suitable for grommets	<b>4 x KT small</b>	

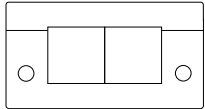
	<b>KEL-E3</b>	Part No.	<b>42258</b>	Height	<b>17 mm</b>
	EAN	<b>4251269308390</b>	Mounting height	<b>17 mm</b>	
	Package quantity	<b>10</b>	Cut-out size	<b>65 × 24 mm</b>	
	For max. no. of cables	<b>12</b>	No. of screw holes	<b>2</b>	
	Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>	
	Length	<b>98 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</b>	
	Width	<b>39 mm</b>	Suitable for grommets	<b>3 x KT small</b>	

**KEL-E3 V2A**

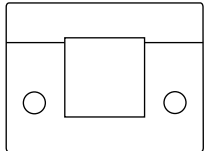
Part No.	<b>42258.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269308406</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 24 mm</b>
For max. no. of cables	<b>12</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm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

**KEL-E2**

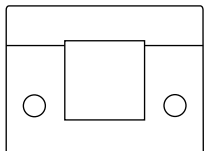
Part No.	<b>42249</b>	Height	<b>17 mm</b>
EAN	<b>4251269308352</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>43 × 24 mm</b>
For max. no. of cables	<b>8</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>17 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</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>
Package quantity	<b>10</b>	Cut-out size	<b>43 × 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>Stainless steel (V2A)</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>2 x KT small</b>

**KEL-E1**

Part No.	<b>42261</b>	Height	<b>17 mm</b>
EAN	<b>4251269332500</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>21 × 27 mm</b>
For max. no. of cables	<b>4</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>52 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>1 x KT small</b>

**KEL-E1 V2A**

Part No.	<b>42261.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269333286</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>21 × 27 mm</b>
For max. no. of cables	<b>4</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>52 mm</b>	Screw material	<b>Stainless steel (V2A)</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>1 x KT small</b>