

# KEL-ER | split cable entry frames

for cables with connectors / IP66 / UL Type 12/4X\*



IP54

UL TYPE 4X

ISO 4892-2A

IP55

CULUS

Made in Germany

IP64

RIIR

RoHS compliant

IP65

HLL3 EN 45545-2

REACH COMPLIANCE

IP66

EN 61373

UL TYPE 12

ECOLAB certified

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 1 - 15) and 13 to 35 mm (single-hole grommets KTG 13 - KT 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 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 frame matches the cut-out dimensions of 46 x 46 mm measuring instruments.

The single-row versions KEL-ER-E are particularly suited for flat connectors. The small frames are ideal for applications with limited space.

Thanks to the injected seal and the use of single grommets, the KEL-ER series achieves protection class IP66. If the flange surface is roughly structured or slightly uneven, we recommend installing the additional flat rubber gasket 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.

\*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

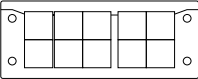
## Advantages & Benefits

- 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

## Product Types & Sizes

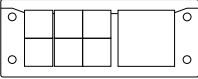
	KEL-ER 24 10			
	Part No.	48241	Height	17 mm
	EAN	4251269312076	Mounting height	17 mm
	Package quantity	10	Cut-out size	112 x 36 mm
	For max. no. of cables	10	No. of screw holes	4
	Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
	Length	147 mm	Screw material	Mild steel, galvanically zinc plated
	Width	58 mm		10 x KT small
			Suitable for grommets	

KEL-ER 24|10 V2A



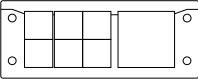
Part No.	48241.200	Height	17 mm
EAN	4251269312083	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	10	No. of screw holes	4
Max. cable diameter	16 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	10 x KT small

KEL-ER 24|7



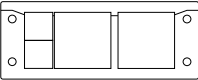
Part No.	48247	Height	17 mm
EAN	4251269312113	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	6 x KT small 1 x KT large

KEL-ER 24|7 V2A



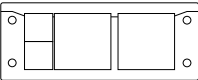
Part No.	48247.200	Height	17 mm
EAN	4251269312120	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	7	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	6 x KT small 1 x KT large

KEL-ER 24|4



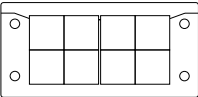
Part No.	48244	Height	17 mm
EAN	4251269312090	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Mild steel, galvanically zinc plated
Width	58 mm	Suitable for grommets	2 x KT small 2 x KT large

KEL-ER 24|4 V2A

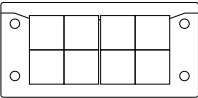
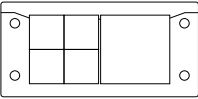
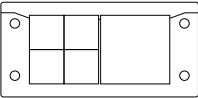
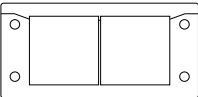
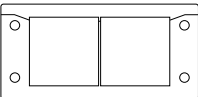
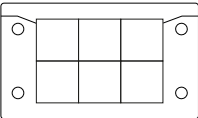


Part No.	48244.200	Height	17 mm
EAN	4251269312106	Mounting height	17 mm
Package quantity	10	Cut-out size	112 × 36 mm
For max. no. of cables	4	No. of screw holes	4
Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
Length	147 mm	Screw material	Stainless steel (V2A)
Width	58 mm	Suitable for grommets	2 x KT small 2 x KT large

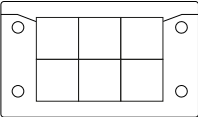
KEL-ER 16|8



Part No.	48168	Height	17 mm
EAN	4251269311970	Mounting height	17 mm
Package quantity	10	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	Suitable for grommets	8 x KT small

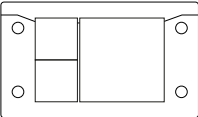
	Part No.	<b>48168.200</b>	Height	<b>17 mm</b>
	EAN	<b>4251269311987</b>	Mounting height	<b>17 mm</b>
	Package quantity	<b>10</b>	Cut-out size	<b>86 × 36 mm</b>
	For max. no. of cables	<b>8</b>	No. of screw holes	<b>4</b>
	Max. cable diameter	<b>16 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
	Length	<b>120 mm</b>	Screw material	<b>Stainless steel (V2A)</b>
	Width	<b>58 mm</b>	Suitable for grommets	<b>8 x KT small</b>
	Part No.	<b>48165</b>	Height	<b>17 mm</b>
	EAN	<b>4251269311956</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>5</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>Mild steel, galvanically zinc plated</b>
	Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small 1 x KT large</b>
	Part No.	<b>48165.200</b>	Height	<b>17 mm</b>
	EAN	<b>4251269311963</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>5</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>Stainless steel (V2A)</b>
	Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small 1 x KT large</b>
	Part No.	<b>48162</b>	Height	<b>17 mm</b>
	EAN	<b>4251269311932</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>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>Mild steel, galvanically zinc plated</b>
	Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT large</b>
	Part No.	<b>48162.200</b>	Height	<b>17 mm</b>
	EAN	<b>4251269311949</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>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>Stainless steel (V2A)</b>
	Width	<b>58 mm</b>	Suitable for grommets	<b>2 x KT large</b>
	Part No.	<b>48216</b>	Height	<b>17 mm</b>
	EAN	<b>4251269312052</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>6</b>	No. of screw holes	<b>4</b>
	Max. cable diameter	<b>16 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>6 x KT small</b>

KEL-ER 10|6 V2A



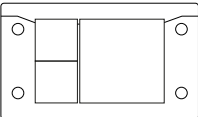
Part No.	<b>48216.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269312069</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>6</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>16 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Stainless steel (V2A)</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>6 x KT small</b>

KEL-ER 10|3



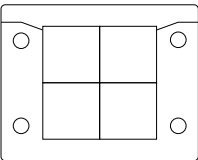
Part No.	<b>48212</b>	Height	<b>17 mm</b>
EAN	<b>4251269312038</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>3</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	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-ER 10|3 V2A



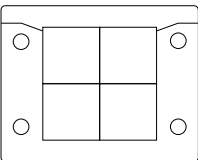
Part No.	<b>48212.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269312045</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 36 mm</b>
For max. no. of cables	<b>3</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>35 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</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-ER-B4



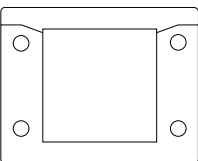
Part No.	<b>48204</b>	Height	<b>17 mm</b>
EAN	<b>4251269311994</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>4</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>16 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Mild steel, galvanically zinc plated</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small</b>

KEL-ER-B4 V2A

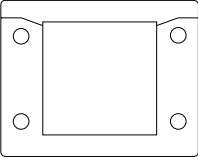
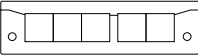
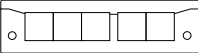
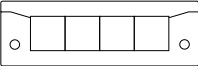
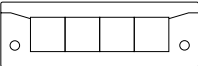
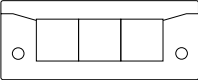


Part No.	<b>48204.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269312007</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>46 × 46 mm</b>
For max. no. of cables	<b>4</b>	No. of screw holes	<b>4</b>
Max. cable diameter	<b>16 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>73 mm</b>	Screw material	<b>Stainless steel (V2A)</b>
Width	<b>58 mm</b>	Suitable for grommets	<b>4 x KT small</b>

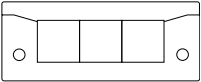
KEL-ER-B1



Part No.	<b>48206</b>	Height	<b>17 mm</b>
EAN	<b>4251269312014</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>

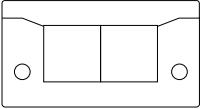
	Part No.	48206.200	Height	17 mm
	EAN	4251269312021	Mounting height	17 mm
	Package quantity	10	Cut-out size	46 × 46 mm
	For max. no. of cables	1	No. of screw holes	4
	Max. cable diameter	35 mm	Diam. of screw holes	5,8 mm
	Length	73 mm	Screw material	Stainless steel (V2A)
	Width	58 mm	Suitable for grommets	1 x KT large
	Part No.	48250	Height	17 mm
	EAN	4251269312151	Mounting height	17 mm
	Package quantity	10	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	Suitable for grommets	5 x KT small
	Part No.	48250.200	Height	17 mm
	EAN	4251269312168	Mounting height	17 mm
	Package quantity	10	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	Stainless steel (V2A)
	Width	39 mm	Suitable for grommets	5 x KT small
	Part No.	48259	Height	17 mm
	EAN	4251269312199	Mounting height	17 mm
	Package quantity	10	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	Suitable for grommets	4 x KT small
	Part No.	48259.200	Height	17 mm
	EAN	4251269312205	Mounting height	17 mm
	Package quantity	10	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	Stainless steel (V2A)
	Width	39 mm	Suitable for grommets	4 x KT small
	Part No.	48258	Height	17 mm
	EAN	4251269312175	Mounting height	17 mm
	Package quantity	10	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	Suitable for grommets	3 x KT small

KEL-ER-E3 V2A



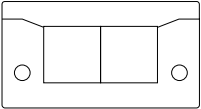
Part No.	<b>48258.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269312182</b>	Mounting height	<b>17 mm</b>
Package quantity	<b>10</b>	Cut-out size	<b>65 × 24 mm</b>
For max. no. of cables	<b>3</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>16 mm</b>	Diam. of screw holes	<b>5,8 mm</b>
Length	<b>98 mm</b>	Screw material	<b>Stainless steel (V2A)</b>
Width	<b>39 mm</b>	Suitable for grommets	<b>3 x KT small</b>

KEL-ER-E2



Part No.	<b>48249</b>	Height	<b>17 mm</b>
EAN	<b>4251269312137</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>2</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>16 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-ER-E2 V2A



Part No.	<b>48249.200</b>	Height	<b>17 mm</b>
EAN	<b>4251269312144</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>2</b>	No. of screw holes	<b>2</b>
Max. cable diameter	<b>16 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>