EMC-KEL-U | Split EMC cable entry frames

for shielding cables with connectors



The EMC cable entry frames EMC-KEL-U are based on the KEL-U and KEL-E. Due to a conductive surface, disturbances in the cable shields on the control cabinet can be easily dissipated. Field bound disturbances are derived by the metallisation.

The cable entry system is easy to install. Cable grommets are placed into compartments and are securely fixed to the frame during assembly.

The EMC-KEL-U frames match exactly the cut-out dimensions for 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 single-row versions EMC-KEL-E are particularly suited for flat connectors. The small frames are ideal for applications with limited space.

Between the EMC-KEL-U and the metal wall a conductive flat gasket (included) is mounted. The flange surface on the metal wall must be free of paint!

Specifications

RoHS

Material	Polyamide, highly conductive coating			
Flame class	UL94-HB			
Operating temperature	-40 C° to 140 C°			
Properties	vibration proof			
Mounting options	Screw type mounting			

Advantages & benefits

- Both conducted and field-bound disturbances can be reliably diverted
- Scratch-resistant surface
- Contacting the cable shield over 360°
- EMC grommets made entirely from conductive elastomer
- High cable density, wide variety of grommets
- Very good dissipation values
- Very good shielding effect with regard to EMC tightness

Product types & sizes

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EMC-KEL-U 24|10

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

99400 4251269319365 1 10 17 mm 147 mm

58 mm

Heiaht Mounting height Cut-out size No. of screw holes Diam. of screw holes

112 × 36 mm 5,8 mm

Screw material Mild steel, galvanically zinc

plated

17 mm

17 mm

10 x EMC-KT small Suitable for grommets

EMC-KEL-U 24|4



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

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

17 mm 17 mm 112 × 36 mm 5,8 mm

Mild steel, galvanically zinc

plated

2 x EMC-KT small Suitable for grommets 2 x EMC-KT large



Part No. 98047 Cut-out size 112 × 36 mm

EAN **4251269322** No. of screw

> 655 holes

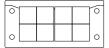
Package Diam. of screw 6 mm quantity

holes

Length 145 mm Width 56 mm Height 2,5 mm 2,5 mm Mounting

height

EMC-KEL-U 16|8



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

Length Width

99402

4251269319389

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

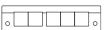
5,8 mm

Mild steel, galvanically zinc

plated

8 x EMC-KT small

EMC-KEL-E5



Part No. EAN

Package quantity For max. no. of cables Max. cable diameter

Length Width

99422

4251269319402

1 17 mm 147 mm 39 mm

Height

Mounting height Cut-out size No. of screw holes Diam. of screw holes

Screw material

Suitable for grommets

17 mm 17 mm

112 × 24 mm

5,8 mm

Mild steel, galvanically zinc

plated

5 x EMC-KT small

EMC-KEL-E3



Part No.

EAN Package quantity For max. no. of cables Max. cable diameter

Length Width

99420

4251269319396

Height

Mounting height Cut-out size No. of screw holes Diam. of screw holes

Screw material

Suitable for grommets

17 mm 17 mm

65 × 24 mm

5,8 mm

Mild steel, galvanically zinc

plated

3 x EMC-KT small



