

# KEL-FG-ER | Split flange enclosure

for 90° feed-in of cables with connectors / IP65



IP54



IP55



IP64



IP65



The cable entry frames KEL-FG-ER are suited for installation of cables with connectors and conduits at an angle of 90° to the cabinet, enclosure or machine wall, providing an IP65 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 KEL-FG-ER-A frame matches exactly the cut-out dimensions for 24-pin standard industrial connectors. The KEL-FG-ER-B is suited for cut-outs 36 × 46 mm.

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

Due to the integrated seal on the flange enclosure, a protection class of up to IP65 is provided. An additional flat rubber gasket is included in the shipment.

**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

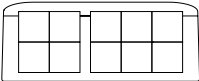
|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| IP rating (EN 60529)  | IP54, IP55, IP64, IP65                                     |
| Material              | Polyamide                                                  |
| Flame class           | UL94-V0, self-extinguishing                                |
| Operating temperature | -40 C° to 90 C°                                            |
| Properties            | vibration proof, UV-resistant, silicone free, halogen free |
| Mounting options      | Screw type mounting                                        |
| Mounting height       | 57,5 mm                                                    |

## Advantages & benefits

- Integrated seal
- Protection class IP65 acc. to EN 60529
- Installation at an angle of 90° to the wall
- Mechanical protection of the cable directly at the place of entry
- Protection against water splashes and drips
- Ideal for cables with connectors (max. Ø 35 mm)
- Strain relief according to EN 62444
- High flexibility when using the IMAS-CONNECT™ system

## Product types & sizes

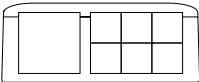
### KEL-FG-ER-A10



|                        |               |
|------------------------|---------------|
| Part No.               | 42340         |
| EAN                    | 4251269328787 |
| Package quantity       | 1             |
| For max. no. of cables | 10            |
| Max. cable diameter    | 16 mm         |
| Length                 | 147 mm        |
| Width                  | 80 mm         |

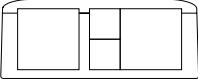
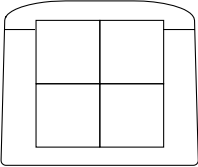
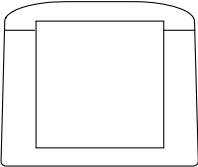
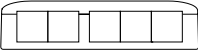
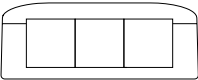
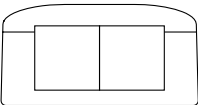
|                       |                                      |
|-----------------------|--------------------------------------|
| Height                | 57,5 mm                              |
| Mounting height       | 57,5 mm                              |
| Cut-out size          | 112 × 36 mm                          |
| No. of screw holes    | 4                                    |
| Diam. of screw holes  | 5,5 mm                               |
| Screw material        | Mild steel, galvanically zinc plated |
| Suitable for grommets | 10 x KT small                        |

### KEL-FG-ER-A7



|                        |               |
|------------------------|---------------|
| Part No.               | 42341         |
| EAN                    | 4251269328794 |
| Package quantity       | 1             |
| For max. no. of cables | 7             |
| Max. cable diameter    | 35 mm         |
| Length                 | 147 mm        |
| Width                  | 80 mm         |

|                       |                                      |
|-----------------------|--------------------------------------|
| Height                | 57,5 mm                              |
| Mounting height       | 57,5 mm                              |
| Cut-out size          | 112 × 36 mm                          |
| No. of screw holes    | 4                                    |
| Diam. of screw holes  | 5,5 mm                               |
| Screw material        | Mild steel, galvanically zinc plated |
| Suitable for grommets | 6 x KT small<br>1 x KT large         |

|                                                                                                           |                        |                      |                       |                                             |
|-----------------------------------------------------------------------------------------------------------|------------------------|----------------------|-----------------------|---------------------------------------------|
| <b>KEL-FG-ER-A4</b><br>   | Part No.               | <b>42342</b>         | Height                | <b>57,5 mm</b>                              |
|                                                                                                           | EAN                    | <b>4251269328800</b> | Mounting height       | <b>57,5 mm</b>                              |
|                                                                                                           | Package quantity       | <b>1</b>             | Cut-out size          | <b>112 × 36 mm</b>                          |
|                                                                                                           | For max. no. of cables | <b>4</b>             | No. of screw holes    | <b>4</b>                                    |
|                                                                                                           | Max. cable diameter    | <b>35 mm</b>         | Diam. of screw holes  | <b>5,5 mm</b>                               |
|                                                                                                           | Length                 | <b>147 mm</b>        | Screw material        | <b>Mild steel, galvanically zinc plated</b> |
|                                                                                                           | Width                  | <b>80 mm</b>         | Suitable for grommets | <b>2 x KT small</b><br><b>2 x KT large</b>  |
|                                                                                                           |                        |                      |                       |                                             |
| <b>KEL-FG-ER-B4</b><br>   | Part No.               | <b>42344</b>         | Height                | <b>57,5 mm</b>                              |
|                                                                                                           | EAN                    | <b>4251269328824</b> | Mounting height       | <b>57,5 mm</b>                              |
|                                                                                                           | Package quantity       | <b>1</b>             | No. of screw holes    | <b>4</b>                                    |
|                                                                                                           | For max. no. of cables | <b>4</b>             | Diam. of screw holes  | <b>5,5 mm</b>                               |
|                                                                                                           | Max. cable diameter    | <b>16 mm</b>         | Screw material        | <b>Mild steel, galvanically zinc plated</b> |
|                                                                                                           | Length                 | <b>79,8 mm</b>       |                       |                                             |
|                                                                                                           | Width                  | <b>80 mm</b>         | Suitable for grommets | <b>4 x KT small</b>                         |
|                                                                                                           |                        |                      |                       |                                             |
| <b>KEL-FG-ER-B1</b><br>   | Part No.               | <b>42343</b>         | Height                | <b>57,5 mm</b>                              |
|                                                                                                           | EAN                    | <b>4251269328817</b> | Mounting height       | <b>57,5 mm</b>                              |
|                                                                                                           | Package quantity       | <b>1</b>             | No. of screw holes    | <b>4</b>                                    |
|                                                                                                           | For max. no. of cables | <b>1</b>             | Diam. of screw holes  | <b>5,5 mm</b>                               |
|                                                                                                           | Max. cable diameter    | <b>35 mm</b>         | Screw material        | <b>Mild steel, galvanically zinc plated</b> |
|                                                                                                           | Length                 | <b>79,8 mm</b>       |                       |                                             |
|                                                                                                           | Width                  | <b>80 mm</b>         | Suitable for grommets | <b>1 x KT large</b>                         |
|                                                                                                           |                        |                      |                       |                                             |
| <b>KEL-FG-ER-E5</b><br> | Part No.               | <b>42347</b>         | Height                | <b>38 mm</b>                                |
|                                                                                                           | EAN                    | <b>4251269328855</b> | Mounting height       | <b>38 mm</b>                                |
|                                                                                                           | Package quantity       | <b>5</b>             | Cut-out size          | <b>112 × 24 mm</b>                          |
|                                                                                                           | For max. no. of cables | <b>5</b>             | No. of screw holes    | <b>2</b>                                    |
|                                                                                                           | Max. cable diameter    | <b>17 mm</b>         | Diam. of screw holes  | <b>5,5 mm</b>                               |
|                                                                                                           | Length                 | <b>147 mm</b>        | Screw material        | <b>Mild steel, galvanically zinc plated</b> |
|                                                                                                           | Width                  | <b>53 mm</b>         | Suitable for grommets | <b>5 x KT small</b>                         |
|                                                                                                           |                        |                      |                       |                                             |
| <b>KEL-FG-ER-E3</b><br> | Part No.               | <b>42346</b>         | Height                | <b>38 mm</b>                                |
|                                                                                                           | EAN                    | <b>4251269328848</b> | Mounting height       | <b>38 mm</b>                                |
|                                                                                                           | Package quantity       | <b>5</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>17 mm</b>         | Diam. of screw holes  | <b>5,5 mm</b>                               |
|                                                                                                           | Length                 | <b>100 mm</b>        | Screw material        | <b>Mild steel, galvanically zinc plated</b> |
|                                                                                                           | Width                  | <b>53 mm</b>         | Suitable for grommets | <b>3 x KT small</b>                         |
|                                                                                                           |                        |                      |                       |                                             |
| <b>KEL-FG-ER-E2</b><br> | Part No.               | <b>42345</b>         | Height                | <b>38 mm</b>                                |
|                                                                                                           | EAN                    | <b>4251269328831</b> | Mounting height       | <b>38 mm</b>                                |
|                                                                                                           | Package quantity       | <b>5</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>17 mm</b>         | Diam. of screw holes  | <b>5,5 mm</b>                               |
|                                                                                                           | Length                 | <b>73 mm</b>         | Screw material        | <b>Mild steel, galvanically zinc plated</b> |
|                                                                                                           | Width                  | <b>53 mm</b>         | Suitable for grommets | <b>2 x KT small</b>                         |

