

# KEL-DPU-BS cable entry plates with fire penetration seals (EN 45545-3)

with high strain relief function, pluggable / IP66 / IP68 / UL Type 12 / 4X\*



IP54

IP68

EN 61373

Made in Germany

IP55

UL TYPE 12

JAPAN RAILWAY TESTED FLAME RETARDANT

IP64

UL TYPE 4X

ECOLAB certified

IP65

UL US

ISO 4892-2A

IP66

HL3 EN 45545-2

RoHS compliant

IP67

E45 EI30 EN 45545-3

REACH COMPLIANCE

icotek cable entry plates with fire penetration seals, approved for use in [railway technology](#) (meeting the standards EN 45545-2, EN 45545-3 and EN 1363-1).

KEL-DPU-BS entry plates are designed to route and seal cables without connectors (from 3.2 mm to 20.5 mm in diameter) in limited space with IP66 / IP68 / UL type 12/4X\* ratings. The KEL-DPU-BS is particularly characterised by its solid robust frame and the increased strain relief of the routed cables.

The KEL-DPU 24-BS matches exactly the cut-out dimensions of 24-pin standard industrial connectors.

The assembly of the KEL-DPU-BS with cables can be done quick and easy. Simply make a small hole in the thin membrane and push the cables through.

The intumescent (foaming) IFPS fire penetration seals which are mounted at the backside of the cable entry components consist of expandable graphite and increase their volume by a multiple in case of a fire.

This creates a barrier which prevents a penetration of flames and high heat from one room into another for the longest possible period.

\*4X for indoor use only

## Specifications

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| IP rating (EN 60529)  | IP54, IP55, IP64, IP65, IP66, IP67, IP68           |
| UL Type (UL 50E)      | UL Type 12, UL Type 4X*                            |
| Material              | Elastomer<br>Base frame: Polypropylene             |
| Flame class           | UL94-V0, self-extinguishing                        |
| Operating temperature | -40 C° to 100 C°                                   |
| Properties            | intumescent (foaming), halogen free, silicone free |
| Mounting options      | Screw type mounting                                |

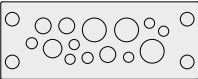
## Advantages & benefits

- Approved for use in railway technology (EN 45545-2, EN 45545-3, EN 1363-1 and EN 61373)
- Only one fire penetration seal per cable entry component required
- High classifications E45 / EI30
- High stability, vibration resistant
- Fast and easy assembly
- High cable density, wide variety of grommets
- Hygienic design - free of dirt-collecting recesses

## Product types & sizes

|                                |                        |                                |                      |                                                     |
|--------------------------------|------------------------|--------------------------------|----------------------|-----------------------------------------------------|
| <b>KEL-DPU 24 13-BS gy</b><br> | Part No.               | <b>99300.010</b>               | Width                | <b>58 mm</b>                                        |
|                                | EAN                    | <b>4251269318559</b>           | Height               | <b>14 mm</b>                                        |
|                                | Package quantity       | <b>5</b>                       | Mounting height      | <b>14 mm</b>                                        |
|                                | For max. no. of cables | <b>13</b>                      | Cut-out size         | <b>112 x 36 mm</b>                                  |
|                                | Max. cable diameter    | <b>20,5 mm</b>                 | No. of screw holes   | <b>4</b>                                            |
|                                | Colour                 | <b>grey (similar RAL 7035)</b> | Diam. of screw holes | <b>5,8 mm</b>                                       |
|                                | Length                 | <b>147 mm</b>                  | Clamping range       | <b>10 x 3.2 - 6.3 mm</b><br><b>3 x 16 - 20.5 mm</b> |

KEL-DPU 24|14-BS gy



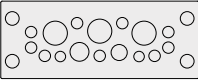
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|------------------------|-------------------------|----------------------|-------------------|
| Part No.               | 99300.011               | Width                | 58 mm             |
| EAN                    | 4251269318566           | Height               | 14 mm             |
| Package quantity       | 5                       | Mounting height      | 14 mm             |
| For max. no. of cables | 14                      | Cut-out size         | 112 × 36 mm       |
| Max. cable diameter    | 16,2 mm                 | No. of screw holes   | 4                 |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm            |
| Length                 | 147 mm                  | Clamping range       | 5 × 3.2 - 6.3 mm  |
|                        |                         |                      | 2 × 4 - 7.5 mm    |
|                        |                         |                      | 3 × 5.5 - 10.5 mm |
|                        |                         |                      | 1 × 8 - 12.5 mm   |
|                        |                         |                      | 3 × 12 - 16.2 mm  |

KEL-DPU 24|16-BS gy



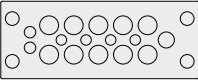
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|------------------------|-------------------------|----------------------|-------------------|
| Part No.               | 99300.012               | Width                | 58 mm             |
| EAN                    | 4251269318573           | Height               | 14 mm             |
| Package quantity       | 5                       | Mounting height      | 14 mm             |
| For max. no. of cables | 16                      | Cut-out size         | 112 × 36 mm       |
| Max. cable diameter    | 14,5 mm                 | No. of screw holes   | 4                 |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm            |
| Length                 | 147 mm                  | Clamping range       | 8 × 3.2 - 5.5 mm  |
|                        |                         |                      | 6 × 5 - 8.5 mm    |
|                        |                         |                      | 2 × 9.5 - 14.5 mm |

KEL-DPU 24|16-1-BS gy



|                        |                         |                      |                   |
|------------------------|-------------------------|----------------------|-------------------|
| Part No.               | 99300.013               | Width                | 58 mm             |
| EAN                    | 4251269318580           | Height               | 14 mm             |
| Package quantity       | 5                       | Mounting height      | 14 mm             |
| For max. no. of cables | 16                      | Cut-out size         | 112 × 36 mm       |
| Max. cable diameter    | 16,2 mm                 | No. of screw holes   | 4                 |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm            |
| Length                 | 147 mm                  | Clamping range       | 2 × 3.2 - 6.3 mm  |
|                        |                         |                      | 9 × 4 - 7.5 mm    |
|                        |                         |                      | 1 × 5.5 - 10.5 mm |
|                        |                         |                      | 1 × 8 - 12.5 mm   |
|                        |                         |                      | 3 × 12 - 16.2 mm  |

KEL-DPU 24|17-BS gy



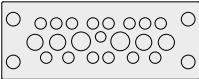
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|------------------------|-------------------------|----------------------|-------------------|
| Part No.               | 99300.014               | Width                | 58 mm             |
| EAN                    | 4251269318597           | Height               | 14 mm             |
| Package quantity       | 5                       | Mounting height      | 14 mm             |
| For max. no. of cables | 17                      | Cut-out size         | 112 × 36 mm       |
| Max. cable diameter    | 12,5 mm                 | No. of screw holes   | 4                 |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm            |
| Length                 | 147 mm                  | Clamping range       | 4 × 3.2 - 6.3 mm  |
|                        |                         |                      | 2 × 4 - 7.5 mm    |
|                        |                         |                      | 1 × 5.5 - 10.5 mm |
|                        |                         |                      | 10 × 8 - 12.5 mm  |

KEL-DPU 24|20-BS gy



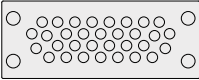
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|------------------------|-------------------------|----------------------|-------------------|
| Part No.               | 99300.015               | Width                | 58 mm             |
| EAN                    | 4251269318603           | Height               | 14 mm             |
| Package quantity       | 5                       | Mounting height      | 14 mm             |
| For max. no. of cables | 20                      | Cut-out size         | 112 × 36 mm       |
| Max. cable diameter    | 10,5 mm                 | No. of screw holes   | 4                 |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm            |
| Length                 | 147 mm                  | Clamping range       | 12 × 3.2 - 5.5 mm |
|                        |                         |                      | 8 × 5 - 10.5 mm   |

KEL-DPU 24|21-BS gy



|                        |                         |                      |                                                                             |
|------------------------|-------------------------|----------------------|-----------------------------------------------------------------------------|
| Part No.               | 99300.016               | Width                | 58 mm                                                                       |
| EAN                    | 4251269318610           | Height               | 14 mm                                                                       |
| Package quantity       | 5                       | Mounting height      | 14 mm                                                                       |
| For max. no. of cables | 21                      | Cut-out size         | 112 × 36 mm                                                                 |
| Max. cable diameter    | 12,5 mm                 | No. of screw holes   | 4                                                                           |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm                                                                      |
| Length                 | 147 mm                  | Clamping range       | 1 × 3.2 - 6.3 mm<br>14 × 4 - 7.5 mm<br>4 × 5.5 - 10.5 mm<br>2 × 8 - 12.5 mm |

KEL-DPU 24|32-BS gy



|                        |                         |                      |                   |
|------------------------|-------------------------|----------------------|-------------------|
| Part No.               | 99300.017               | Width                | 58 mm             |
| EAN                    | 4251269318627           | Height               | 14 mm             |
| Package quantity       | 5                       | Mounting height      | 14 mm             |
| For max. no. of cables | 32                      | Cut-out size         | 112 × 36 mm       |
| Max. cable diameter    | 6,3 mm                  | No. of screw holes   | 4                 |
| Colour                 | grey (similar RAL 7035) | Diam. of screw holes | 5,8 mm            |
| Length                 | 147 mm                  | Clamping range       | 32 × 3.2 - 6.3 mm |