

# KEL-DPZ-HD hygienic multi-membrane cable entry plates, round

with metric threads M25 - M63 / IP66 / IP68, FDA compliant



The new cable entry plates KEL-DPZ-HD with metric thread from M25 to M63 have been developed for installation in food processing and packaging machines.

During the development according to the Hygienic Design guidelines, care was taken to ensure that the visible side of the cable entry plate are free of dirt-collecting recesses. The surface was kept very smooth ( $Ra = 0,421 \mu m$  acc. to ISO 4287). The outer contour has a radius of 6 mm instead of the required 3 mm. In addition, the KEL-DPZ-HD uses an FDA-compliant elastomer in accordance with food approval 1935/2004/EG and (EU) 10/2011. The signal colour blue ensures a clear visual colour recognition.

The cable entry plates are designed to route several cables and hoses with a diameter range of 3.2 mm to 22.2 mm and seal them acc. to IP65/66/67/68. A significant advantage over cable glands is the significantly higher cable density and the flexibility of the cable diameter range. The fixation is very simple with the locknut.

IP54

IP68

IP55

Made in Germany

RoHS compliant

IP64

FDA

IP65

1935/2004/EG

IP66

EU VO. 10/2011

IP67

ECOLAB certified

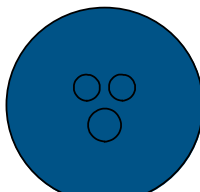
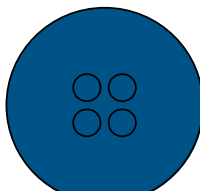
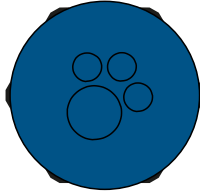
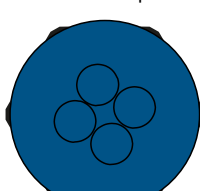
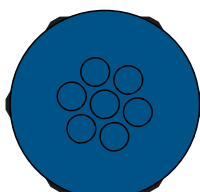
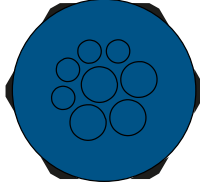
## Specifications

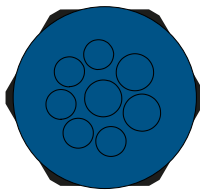
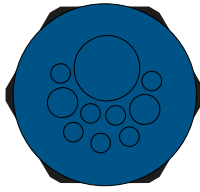
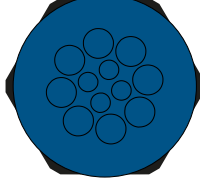
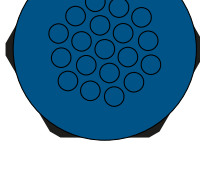
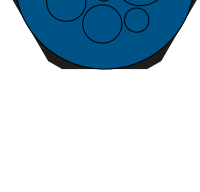
|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| IP rating (EN 60529)  | IP54, IP55, IP64, IP65, IP66, IP67, IP68                                            |
| Material              | Elastomer<br>Base frame: Polyamide                                                  |
| Flame class           | UL94-HB                                                                             |
| Operating temperature | -40 C° to 80 C°                                                                     |
| Properties            | silicone free, halogen free, resistant to oil and mould, higher chemical resistance |

## Advantages & benefits

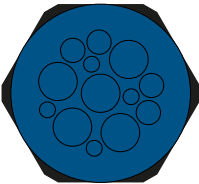
- Elastomer of the cable entry plate made of material according to 1935/2004/EG, (EU) 10/2011
- FDA compliant
- Developed according to hygienic design guidelines (EHEDG)
- Hygienic design - free of dirt-collecting recesses
- Ecolab certified
- Very flat design
- Very smooth surface ( $Ra = 0,421 \mu m$  acc. to ISO 4287)
- Very fast assembly
- Cable diameter 3,2 - 22,2 mm
- Very large sealing areas and clamping areas
- High cable density
- Dual sealing of cables (IP66/IP68)
- Suitable for metric cut-outs
- Reproducible cleaning process
- Very low moisture absorption
- High resistance to aromatic solvents, oils, greases, mineral products
- No corrosion possible because plastics have been processed
- Maintenance free
- Hexagonal locknut included in the delivery

## Product types & sizes

|                                                                                                                |                                                                                                                   |                                                                                                               |                                                                                                                                                         |                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>KEL-DPZ-HD 25 3</b><br>     | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70345</b><br><b>4251269336935</b><br><b>5</b><br><b>3</b><br><b>6,5 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>39 mm</b><br><b>Ra = 0,421 µm</b><br><b>M25</b><br><b>25,3 mm</b><br><b>M25 × 1,5</b><br><b>14 mm</b><br><b>2 x 3.2 - 5.2 mm</b><br><b>1 x 3.2 - 6.5 mm</b>  |
| <b>KEL-DPZ-HD 25 4</b><br>     | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70346</b><br><b>4251269336942</b><br><b>5</b><br><b>4</b><br><b>5,2 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>39 mm</b><br><b>Ra = 0,421 µm</b><br><b>M25</b><br><b>25,3 mm</b><br><b>M25 × 1,5</b><br><b>14 mm</b><br><b>4 x 3.2 - 5.2 mm</b>                             |
| <b>KEL-DPZ-HD 32 4</b><br>    | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70351</b><br><b>4251269322785</b><br><b>5</b><br><b>4</b><br><b>12,5 mm</b><br><b>22 mm</b><br><b>8 mm</b> | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>44 mm</b><br><b>Ra = 0,421 µm</b><br><b>M32</b><br><b>32,3 mm</b><br><b>M32 × 1,5</b><br><b>14 mm</b><br><b>3 x 3.2 - 6.5 mm</b><br><b>1 x 7.2 - 12.5 mm</b> |
| <b>KEL-DPZ-HD 32 4-2</b><br> | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70352</b><br><b>4251269322792</b><br><b>5</b><br><b>4</b><br><b>9,5 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>44 mm</b><br><b>Ra = 0,421 µm</b><br><b>M32</b><br><b>32,3 mm</b><br><b>M32 × 1,5</b><br><b>14 mm</b><br><b>4 x 5 - 9.5 mm</b>                               |
| <b>KEL-DPZ-HD 32 7</b><br>   | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70353</b><br><b>4251269322808</b><br><b>5</b><br><b>7</b><br><b>6,5 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>44 mm</b><br><b>Ra = 0,421 µm</b><br><b>M32</b><br><b>32,3 mm</b><br><b>M32 × 1,5</b><br><b>14 mm</b><br><b>7 x 3.2 - 6.5 mm</b>                             |
| <b>KEL-DPZ-HD 40 8</b><br>   | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70354</b><br><b>4251269322815</b><br><b>5</b><br><b>8</b><br><b>10,2 mm</b><br><b>22 mm</b><br><b>8 mm</b> | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>52 mm</b><br><b>Ra = 0,421 µm</b><br><b>M40</b><br><b>40,4 mm</b><br><b>M40 × 1,5</b><br><b>14 mm</b><br><b>4 x 3.2 - 6.5 mm</b><br><b>4 x 5 - 10.2 mm</b>   |

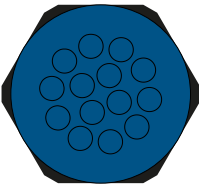
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|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>KEL-DPZ-HD 50 8</b><br>     | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70355</b><br><b>4251269322822</b><br><b>5</b><br><b>8</b><br><b>12,5 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>62 mm</b><br><b>Ra = 0,421 µm</b><br><b>M50</b><br><b>50,4 mm</b><br><b>M50 × 1,5</b><br><b>14 mm</b><br><b>5 x 5 - 10.2 mm</b><br><b>3 x 7.2 - 12.5 mm</b>                                                     |
| <b>KEL-DPZ-HD 50 10</b><br>   | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70356</b><br><b>4251269322839</b><br><b>5</b><br><b>10</b><br><b>22,2 mm</b><br><b>22 mm</b><br><b>8 mm</b> | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>62 mm</b><br><b>Ra = 0,421 µm</b><br><b>M50</b><br><b>50,4 mm</b><br><b>M50 × 1,5</b><br><b>14 mm</b><br><b>7 x 3.2 - 6.5 mm</b><br><b>2 x 5 - 10.2 mm</b><br><b>1 x 16 - 22.2 mm</b>                           |
| <b>KEL-DPZ-HD 50 12</b><br>  | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70357</b><br><b>4251269322846</b><br><b>5</b><br><b>12</b><br><b>10,2 mm</b><br><b>22 mm</b><br><b>8 mm</b> | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>62 mm</b><br><b>Ra = 0,421 µm</b><br><b>M50</b><br><b>50,4 mm</b><br><b>M50 × 1,5</b><br><b>14 mm</b><br><b>4 x 3.2 - 6.5 mm</b><br><b>8 x 5 - 10.2 mm</b>                                                      |
| <b>KEL-DPZ-HD 50 19</b><br> | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70358</b><br><b>4251269322853</b><br><b>5</b><br><b>19</b><br><b>6,5 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>62 mm</b><br><b>Ra = 0,421 µm</b><br><b>M50</b><br><b>50,4 mm</b><br><b>M50 × 1,5</b><br><b>14 mm</b><br><b>19 x 3.2 - 6.5 mm</b>                                                                               |
| <b>KEL-DPZ-HD 63 9</b><br>  | Part No.<br>EAN<br>Package quantity<br>For max. no. of cables<br>Max. cable diameter<br>Height<br>Mounting height | <b>70359</b><br><b>4251269322860</b><br><b>5</b><br><b>9</b><br><b>22,2 mm</b><br><b>22 mm</b><br><b>8 mm</b>  | Colour<br>External diameter<br>Surface roughness (ISO 4287)<br>Cut-out size, metric<br>Cut-out size, round<br>Thread<br>Thread length<br>Clamping range | <b>blue (similar RAL 5005)</b><br><b>75 mm</b><br><b>Ra = 0,421 µm</b><br><b>M63</b><br><b>63,4 mm</b><br><b>M63 × 1,5</b><br><b>14 mm</b><br><b>1 x 3.2 - 6.5 mm</b><br><b>3 x 5 - 10.2 mm</b><br><b>4 x 9 - 16.2 mm</b><br><b>1 x 16 - 22.2 mm</b> |

KEL-DPZ-HD 63|13



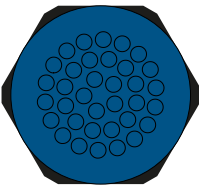
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| Part No.               | <b>70360</b>         | Colour                       | <b>blue (similar RAL 5005)</b>                                              |
| EAN                    | <b>4251269322877</b> | External diameter            | <b>75 mm</b>                                                                |
| Package quantity       | <b>5</b>             | Surface roughness (ISO 4287) | <b>Ra = 0,421 µm</b>                                                        |
| For max. no. of cables | <b>13</b>            | Cut-out size, metric         | <b>M63</b>                                                                  |
| Max. cable diameter    | <b>16,2 mm</b>       | Cut-out size, round          | <b>63,4 mm</b>                                                              |
| Height                 | <b>22 mm</b>         | Thread                       | <b>M63 × 1,5</b>                                                            |
| Mounting height        | <b>8 mm</b>          | Thread length                | <b>14 mm</b>                                                                |
|                        |                      | Clamping range               | <b>4 x 3.2 - 6.5 mm</b><br><b>4 x 5 - 10.2 mm</b><br><b>5 x 9 - 16.2 mm</b> |

KEL-DPZ-HD 63|14



|                        |                      |                              |                                |
|------------------------|----------------------|------------------------------|--------------------------------|
| Part No.               | <b>70361</b>         | Colour                       | <b>blue (similar RAL 5005)</b> |
| EAN                    | <b>4251269322884</b> | External diameter            | <b>75 mm</b>                   |
| Package quantity       | <b>5</b>             | Surface roughness (ISO 4287) | <b>Ra = 0,421 µm</b>           |
| For max. no. of cables | <b>14</b>            | Cut-out size, metric         | <b>M63</b>                     |
| Max. cable diameter    | <b>10,2 mm</b>       | Cut-out size, round          | <b>63,4 mm</b>                 |
| Height                 | <b>22 mm</b>         | Thread                       | <b>M63 × 1,5</b>               |
| Mounting height        | <b>8 mm</b>          | Thread length                | <b>14 mm</b>                   |
|                        |                      | Clamping range               | <b>14 x 5 - 10.2 mm</b>        |

KEL-DPZ-HD 63|35



|                        |                      |                              |                                |
|------------------------|----------------------|------------------------------|--------------------------------|
| Part No.               | <b>70362</b>         | Colour                       | <b>blue (similar RAL 5005)</b> |
| EAN                    | <b>4251269322891</b> | External diameter            | <b>75 mm</b>                   |
| Package quantity       | <b>5</b>             | Surface roughness (ISO 4287) | <b>Ra = 0,421 µm</b>           |
| For max. no. of cables | <b>35</b>            | Cut-out size, metric         | <b>M63</b>                     |
| Max. cable diameter    | <b>6,5 mm</b>        | Cut-out size, round          | <b>63,4 mm</b>                 |
| Height                 | <b>22 mm</b>         | Thread                       | <b>M63 × 1,5</b>               |
| Mounting height        | <b>8 mm</b>          | Thread length                | <b>14 mm</b>                   |
|                        |                      | Clamping range               | <b>35 x 3.2 - 6.5 mm</b>       |