



## HDL-BL-BL

- hygienic design
- illuminable
- blue, visible sealing elements

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| Product type description      | HDL-BL-BL     |
| Article number (order number) | 103039540     |
| EAN (European Article Number) | 4030661617541 |
| eCl@ss number, version 12.0   | 27-37-12-11   |
| eCl@ss number, version 11.0   | 27-37-12-11   |
| eCl@ss number, version 9.0    | 27-37-12-11   |
| ETIM number, version 7.0      | EC000223      |
| ETIM number, version 6.0      | EC000223      |

### Approvals - Standards

|              |                |
|--------------|----------------|
| Certificates | hygiene tested |
|--------------|----------------|

### General data

|           |                                                     |
|-----------|-----------------------------------------------------|
| Standards | EN IEC 60947-5-1<br>EN IEC 60947-1<br>DIN EN 1672-2 |
| Versions  | Front plate mounting<br>Illuminated pushbutton      |

|                                 |                         |
|---------------------------------|-------------------------|
| Design                          | Round<br>Tactile        |
| Sealing type                    | Membrane<br>Lip gaskets |
| Material of the operators       | Plastic                 |
| Material of the front ring      | stainless steel         |
| Colour of the operating element | Blue                    |
| Colour of the front ring        | Silver                  |
| Colour of the bellows           | Blue                    |
| Colour of the sealing           | Blue                    |
| Gross weight                    | 47 g                    |

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Illuminable                         | Yes |
| Mounting flange                     | Yes |
| Probing possible                    | Yes |
| Fully insulated                     | Yes |
| Number of contact elements, maximum | 2   |

### Mechanical data

|                                    |             |
|------------------------------------|-------------|
| Unlocking                          | without     |
| Actuating stroke                   | 3.5 mm      |
| Mounting                           | central nut |
| Tightening torque of nuts, maximum | 4 Nm        |

### Mechanical data - Dimensions

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Mounting height        | 13 mm                                                |
| Note (Mounting height) | Height in front of the front panel.                  |
| Mounting depth         | 51 mm                                                |
| Note (Mounting depth)  | Depth behind front panel including a contact element |
| Diameter total         | 44.5 mm                                              |

|                                        |            |
|----------------------------------------|------------|
| Diameter of touch surface              | 22 mm      |
| diameters for the actuating heads      | 45 mm      |
| Diameter of the front ring             | 44.5 mm    |
| Mounting diameter                      | 22.3 mm    |
| Thickness, of the front panel, minimum | 1.5 mm     |
| Thickness of the front panel, maximum  | 6 mm       |
| Spacing                                | 65 x 65 mm |

**Ambient conditions**

|                      |                |
|----------------------|----------------|
| Degree of protection | IP67<br>IP69K  |
| Ambient temperature  | -25 ... +80 °C |

**Scope of delivery**

|                                           |                                             |
|-------------------------------------------|---------------------------------------------|
| Note (scope of delivery, number and type) | Contact carrier SMF is included in delivery |
|-------------------------------------------|---------------------------------------------|

**Pictures**

**Product picture (catalogue individual photo)**



ID: khdl-f04  
| 204.3 kB | .jpg | 352.778 x 318.558 mm - 1000 x 903 px - 72 dpi  
| 29.4 kB | .png | 74.083 x 67.028 mm - 210 x 190 px - 72 dpi  
| 44.2 kB | .jpg | 123.472 x 111.478 mm - 350 x 316 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.  
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