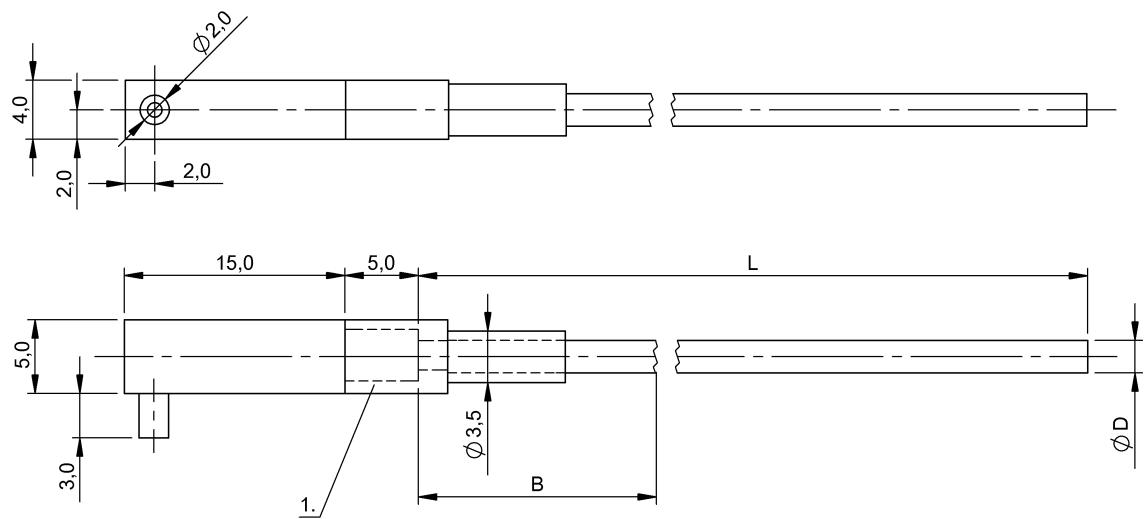




1) Protective tube

Basic features

|                     |                  |
|---------------------|------------------|
| Basic standard      | IEC 60947-5-2    |
| Reference base unit | BFB 75K-001-..   |
| Version             | 4x20, 90° optics |

Environmental conditions

|                                     |                            |
|-------------------------------------|----------------------------|
| Ambient temperature                 | -40...70 °C                |
| Ambient temperature connection area | Acc. to fiber optic sensor |
| IP rating                           | IP65                       |

Material

|                                   |                      |
|-----------------------------------|----------------------|
| Active surface, fiber arrangement | Single fiber         |
| Fiber type material               | PMMA                 |
| Housing material                  | Brass, nickel-plated |
| Material jacket                   | PE                   |
| Surface protection                | nickel-plated        |

Mechanical data

|                                |                                |
|--------------------------------|--------------------------------|
| Active surface, fibers         | Ø 1.0 mm                       |
| Cable diameter D               | 2.20 mm                        |
| Cable length L                 | 2 m                            |
| Cable, bending radius min.     | 2 mm                           |
| Cable, note                    | can be trimmed                 |
| Connection type                | Cable, 2.00 m, PE              |
| Dimension                      | Ø 4 x 8 mm                     |
| Fiber optic cable, structure   | Single fiber in plastic jacket |
| Length B min., without bending | 10.00 mm                       |
| Mounting part                  | Clamped                        |
| Tensile load max. at 20 °C     | 6 N (max. 3s)                  |

Range/Distance

|                             |        |
|-----------------------------|--------|
| Range                       | 300 mm |
| Rated operating distance Sn | 300 mm |
| Real switching distance sr  | 300 mm |

Remarks

The cutting tool is included in the scope of delivery  
order other accessories separately.  
Cut cable to length: use suitable cutting tool. Make a single cut, vertical to cable axis. The cut quality can affect the switching distance.  
Route fiber optic cable so that no excessive tensile, compression or torsional forces are permitted. Observe permissible bending radiuses. Installation may affect the switching distance.

Opto Symbols

