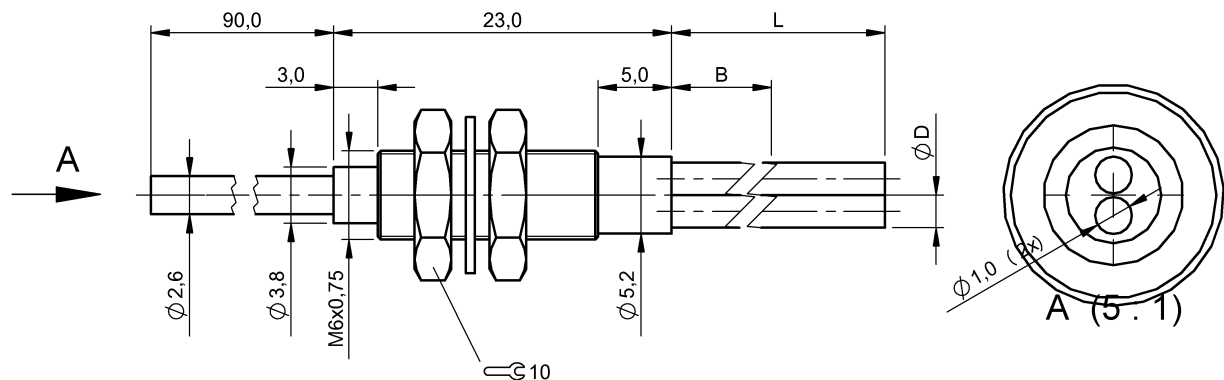




Basic features

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Additional features | End ferrule Ø 2.6 mm may be bent, bending radius $\geq 15$ mm |
| Reference base unit | BFB 75K-001-..                                                |
| Use                 | for fiber optic base units BFB                                |
| Version             | M6, thin tip, standard                                        |

Environmental conditions

|                                     |                            |
|-------------------------------------|----------------------------|
| Ambient temperature                 | -55...70 °C                |
| Ambient temperature connection area | Acc. to fiber optic sensor |
| IP rating                           | IP65                       |

Material

|                                   |                                                |
|-----------------------------------|------------------------------------------------|
| Active surface, fiber arrangement | Adjacent to one another                        |
| Fiber type material               | PMMA                                           |
| Housing material                  | 1.4301 stainless steel, nickel-plated<br>Brass |
| Material jacket                   | PE                                             |
| Surface protection                | nickel-plated                                  |

Mechanical data

|                                |                                |
|--------------------------------|--------------------------------|
| Active surface, fibers         | Ø 1.0 mm (2x)                  |
| Cable diameter D               | 2.20 mm                        |
| Cable length L                 | 2 m                            |
| Cable, bending radius min.     | 25 mm                          |
| Cable, note                    | can be trimmed                 |
| Connection                     | Ø 2.2 mm                       |
| Connection type                | Cable, 2.00 m, PE              |
| Dimension                      | Ø 6 x 113 mm                   |
| Fiber optic cable, structure   | Single fiber in plastic jacket |
| Length B min., without bending | 20.00 mm                       |
| Mounting part                  | Nut M6x0.75                    |
| Tensile load max. at 20 °C     | 6 N (max. 3s)                  |

Range/Distance

|                             |        |
|-----------------------------|--------|
| Rated operating distance Sn | 150 mm |
| Real switching distance sr  | 150 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.  
Reference object (target): gray card, 200 x 200, 90 % remission, axial approach.  
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

