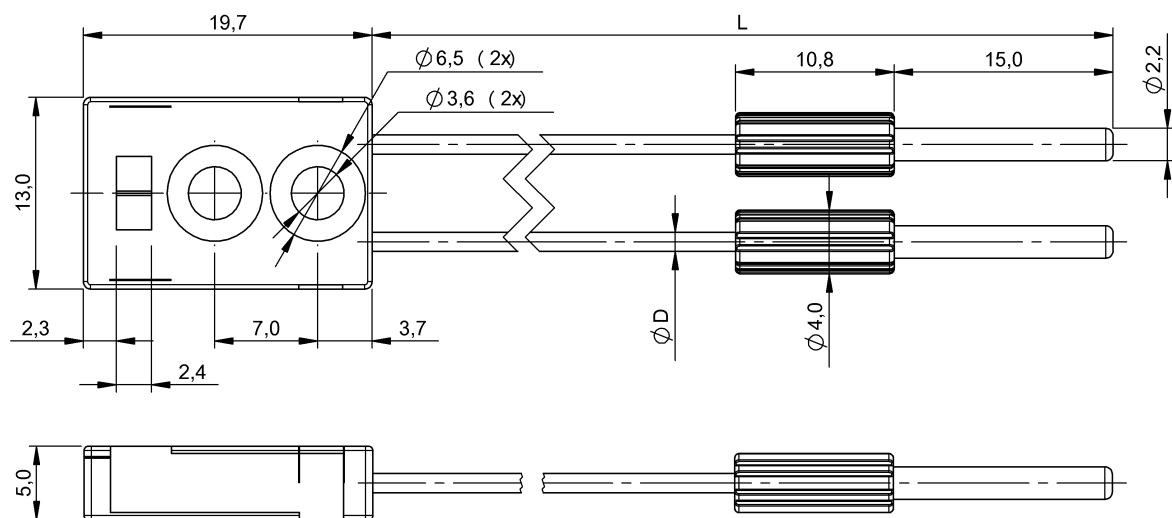




Basic features

|                     |                                |
|---------------------|--------------------------------|
| Reference base unit | BFB 75K-001-..                 |
| Use                 | for fiber optic base units BFB |
| Version             | 13x19.7, 90° optics            |

Environmental conditions

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

Material

|                                   |          |
|-----------------------------------|----------|
| Active surface, fiber arrangement | Distance |
| Fiber type material               | PMMA     |
| Housing material                  | Plastic  |
| Material jacket                   | PE       |

Mechanical data

|                                |                                |
|--------------------------------|--------------------------------|
| Active surface, fibers         | Ø 0.5 mm (2x)                  |
| Cable diameter D               | 1.30 mm                        |
| Cable length L                 | 2 m                            |
| Cable, bending radius min.     | 25 mm                          |
| Cable, note                    | can be trimmed                 |
| Connection                     | Ø 2.2 mm                       |
| Connection type                | Adapter sleeve, 2.00 m, PE     |
| Dimension                      | 13 x 5 mm                      |
| Fiber optic cable, structure   | Single fiber in plastic jacket |
| Length B min., without bending | 15.00 mm                       |
| Mounting part                  | Screw M3                       |
| Tensile load max. at 20 °C     | 6 N (max. 3s)                  |

Range/Distance

|                             |      |
|-----------------------------|------|
| Rated operating distance Sn | 6 mm |
| Real switching distance sr  | 6 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

