



1) Optical axis

### Basic features

<b>Basic standard</b>	IEC 60947-5-2
<b>Reference base unit</b>	BFB 75K-001-..
<b>Use</b>	for fiber optic base units BFB
<b>Version</b>	Ø 3, thin point, 90° optics

### Environmental conditions

<b>Ambient temperature</b>	-40...70 °C
<b>Ambient temperature connection area</b>	Acc. to fiber optic sensor
<b>IP rating</b>	IP65

### Material

<b>Active surface, fiber arrangement</b>	Single fiber
<b>Fiber type material</b>	PMMA
<b>Housing material</b>	Stainless steel
<b>Material jacket</b>	PVC

### Mechanical data

<b>Active surface, fibers</b>	Ø 1.0 mm
<b>Cable diameter D</b>	2.20 mm
<b>Cable length L</b>	2 m
<b>Cable, bending radius min.</b>	25 mm
<b>Cable, note</b>	can be trimmed
<b>Connection type</b>	Cable, 2.00 m, PVC
<b>Dimension</b>	Ø 3 x 2.7 mm
<b>Fiber optic cable, structure</b>	Single fiber in plastic jacket
<b>Length B min., without bending</b>	20.00 mm
<b>Mounting</b>	Diameter 3.0 mm
<b>Tensile load max. at 20 °C</b>	6 N (max. 3s)

### Range/Distance

<b>Range</b>	120 mm
<b>Rated operating distance S<sub>n</sub></b>	120 mm
<b>Real switching distance s<sub>r</sub></b>	120 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

