



### Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Use	for fiber optic base units BFB
Version	M6, 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	Stainless steel (1.4305)
Material jacket	PE

### Mechanical data

Active surface, fibers	Ø 1.5 mm (2x)
Cable diameter D	2.20 mm
Cable length L	2 m
Cable, bending radius min.	40 mm
Cable, note	can be trimmed
Connection type	Cable, 2.00 m, PE
Dimension	Ø 6 x 23 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

Range	180 mm
Rated operating distance S <sub>n</sub>	180 mm
Real switching distance s <sub>r</sub>	180 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

