



Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Use	for fiber optic base units BFB
Version	M6, standard, high temp.

Environmental conditions

Ambient temperature	-55...115 °C
Ambient temperature connection area	Acc. to fiber optic sensor
Protection degree	IP65

Material

Active surface, fiber arrangement	Adjacent to one another
Fiber type material	PC
Housing material	Stainless steel (1.4305)
Material jacket	PE, cross-linked

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 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	Nut M6x0.75
Tensile load max. at 20 °C	6 N (max. 3s)

Range/Distance

Range	130 mm
Rated operating distance Sn	130 mm
Real switching distance sr	130 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

