



Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Use	for fiber optic base units BFB
Version	M6, coax. optics, flex. cable

Environmental conditions

Ambient temperature	-40...60 °C
Ambient temperature connection area	Acc. to fiber optic sensor
IP rating	IP65

Material

Active surface, fiber arrangement	Ring around individual fiber
Fiber type material	PMMA
Housing material	Brass, nickel-plated
Material jacket	PE
Surface protection	nickel-plated

Mechanical data

Active surface, fibers	Ø 1.0 mm
	Ø 0.25 mm (16x)
Cable diameter D	2.20 mm
Cable length L	2 m
Cable, bending radius min.	5 mm
Cable, note	can be trimmed
Connection type	Cable, 2.00 m, PE
Dimension	Ø 6 x 25 mm
Fiber optic cable, structure	Single fiber in plastic jacket
	Fiber bundle in plastic jacket
Length B min., without bending	10.00 mm
Mounting part	M6 nut
Tensile load max. at 20 °C	6 N (max. 3s)

Range/Distance

Range	110 mm
Rated operating distance Sn	110 mm
Real switching distance sr	110 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

