



Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-...
Use	for fiber optic base units BFB
Version	0.5 mm, 90°

Environmental conditions

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

Material

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

Mechanical data

Active surface, fibers	Ø 0.5 mm
Cable diameter D	1.00 mm
Cable length L	2 m
Cable, bending radius min.	1 mm
Connection	Ø 2.2 mm
Connection type	Adapter sleeve, 2.00 m, PE
Dimension	2.5 x 10.5 x 6 mm
Fiber optic cable, structure	Fiber bundle in plastic jacket
Length B min., without bending	20.00 mm
Mounting part	Screw M3
Tensile load max. at 20 °C	6 N (max. 3s)

Range/Distance

Range	55 mm
Rated operating distance S _n	55 mm
Real switching distance s _r	55 mm

Remarks

The scope of delivery includes one set of fiber optics for the transmitter and one for the receiver.
 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.
 Actuation object (target): gray card, 200 x 200, lateral approach.

Opto Symbols

