



1) Protective tube

Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Version	4x20, 90° optics

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 1.0 mm
Cable diameter D	2.20 mm
Cable length L	2 m
Cable, bending radius min.	2 mm
Cable, note	can be trimmed
Connection type	Cable, 2.00 m, PE
Dimension	Ø 4 x 8 mm
Fiber optic cable, structure	Single fiber in plastic jacket
Length B min., without bending	10.00 mm
Mounting part	Clamped
Tensile load max. at 20 °C	6 N (max. 3s)

Range/Distance

Range	300 mm
Rated operating distance S_n	300 mm
Real switching distance sr	300 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

