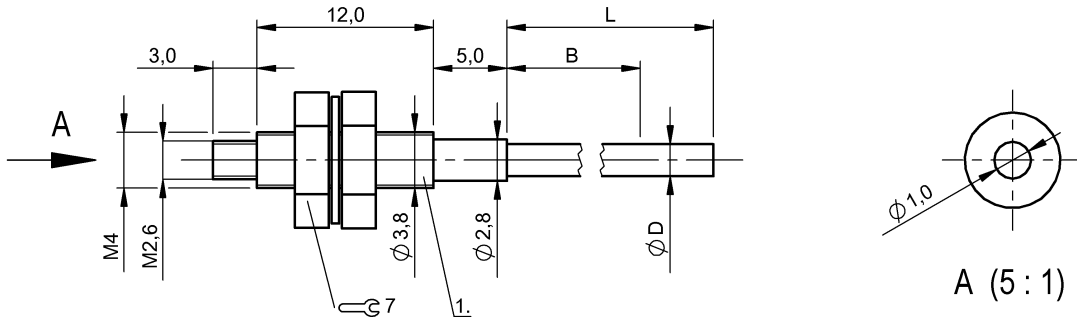


BFO D22-LA-KB-EAK-10-02 BFO005M



1) Protective tube

Electrical connection

Cable diameter D	2.20 mm
Cable length	2 m
Cable, note	can be trimmed
Connection type	Cable, 2.00 m, PE

Electrical data

Active surface, fibers	Ø 1.0 mm (1x)
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Environmental conditions

Ambient temperature	-40...70 °C
Ambient temperature connection area	Acc. to fiber optic sensor
Protection type IEC 60529	IP65

General data

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Version	M4, standard

Material

Active surface, fiber arrangement	Single fiber
Fiber type material	PMMA
Housing material	Stainless steel (1.4305)
Material jacket	PE

Mechanical data

Cable, bending radius min.	25 mm
Dimension	Ø 4 x 20 mm
Fastening detail	Nut M4
Fiber optic cable, structure	Single fiber in plastic jacket
Tensile load max. at 20 °C	6 N (max. 3s)

Optical data

Principle of optical operation	Through-beam sensor
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Range/Distance

Effective operating distance Sr	500 mm
Range	500 mm
Rated operating distance Sn	500 mm

Remarks

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

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BFO005M

Symbols for Optoelectronic Sensors

