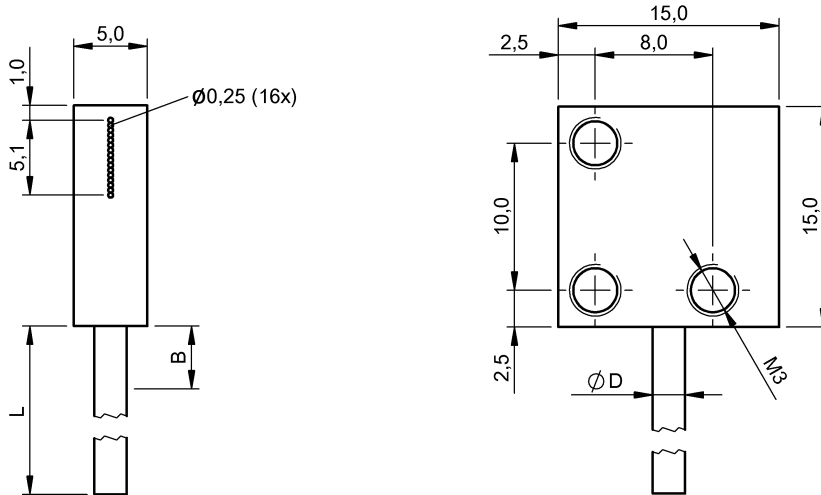


BFO D22-LA-BD-EAK-52-02 BFO005K



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 0.25 mm (16x)
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Environmental conditions

Ambient temperature	-55...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	5x15, 90° light grid

Material

Active surface, fiber arrangement	Row
Fiber type material	PMMA
Housing material	Brass
Material jacket	PE
Surface protection	nickel plates

Mechanical data

Cable, bending radius min.	25 mm
Dimension	5 x 15 x 15 mm
Fastening detail	Screw M3
Fiber optic cable, structure	Fiber bundle 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	400 mm
Range	400 mm
Rated operating distance Sn	400 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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Symbols for Optoelectronic Sensors

