



1) Disc removable, 2) cap nut

### Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB M18M-011-P-S4
Scope of delivery	Fiber optics Retainer nut
Version	Ø 6, standard

### Environmental conditions

Ambient temperature	-40...150 °C
Ambient temperature connection area	-5...55 °C
Ambient temperature max.	150 °C static, dynamic
Ambient temperature min.	-40 °C static, 0 °C dynamic
IP rating	IP67

### Material

Active surface, fiber arrangement	Segmented bundle
Fiber type material	Glass
Housing material	Brass, Blackened
Material jacket	Silicone, on stainless steel
Surface protection	Blackened

### Mechanical data

Active surface, fibers	Bundle Ø 3.0 mm
Cable diameter D	6.80 mm
Cable length L	2 m
Cable, bending radius min.	60 mm
Connection 1	M18x1
Connection 2	M30x1.5
Connection type	Adapter head, 2.00 m, Silicone
Dimension	Ø 8 x 25 mm
Fiber optic cable, structure	Fiber bundle in metal coil Metal coil in plastic jacket
Length B min., without bending	15.00 mm
Mounting part	Clamped
Tensile load max. at 20 °C	45 N

### Range/Distance

Range	20 mm
Rated operating distance Sn	20 mm
Real switching distance sr	20 mm

## Remarks

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Order accessories separately.

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.

Reference object (target): gray card, 200 x 200, 90 % remission, axial approach.

## Opto Symbols

