



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
Use	for fiber optic base units BFB
Version	Ø 6, 90° optics

Environmental conditions

Ambient temperature	-40...150 °C
Ambient temperature connection area	Acc. to fiber optic sensor
Ambient temperature max.	150 °C static, dynamic
Ambient temperature min.	-40 °C static, 0 °C dynamic
IP rating	IP67

Material

Active surface, fiber arrangement	Homogeneous 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 2.1 mm
Cable diameter D	5.50 mm
Cable length L	1 m
Cable, bending radius min.	60 mm
Connection 1	M18x1
Connection 2	M30x1.5
Connection type	Adapter head, 1.00 m, Silicone
Dimension	Ø 8 x 31 mm
Fiber optic cable, structure	Fiber bundle in metal coil Metal coil in plastic jacket
Length B min., without bending	15.00 mm
Mounting	Clamped
Tensile load max. at 20 °C	45 N

Range/Distance

Range	200 mm
Rated operating distance S _n	200 mm
Real switching distance s _r	200 mm

Remarks

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

