



1) Disc removable

Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB M18M-011-P-S4
Scope of delivery	Fiber optics
Use	for fiber optic base units BFB
Version	Ø 2, 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	Stainless steel
Material jacket	Silicone, on stainless steel

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.

Mechanical data

Active surface, fibers	Bundle Ø 1.4 mm
Cable diameter D	6.50 mm
Cable length L	1 m
Cable, bending radius min.	60 mm
Connection	M18x1
Connection type	Adapter head, 1.00 m, Silicone
Dimension	Ø 8 x 14 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	100 mm
Rated operating distance S_n	100 mm
Real switching distance s_r	100 mm

Opto Symbols

