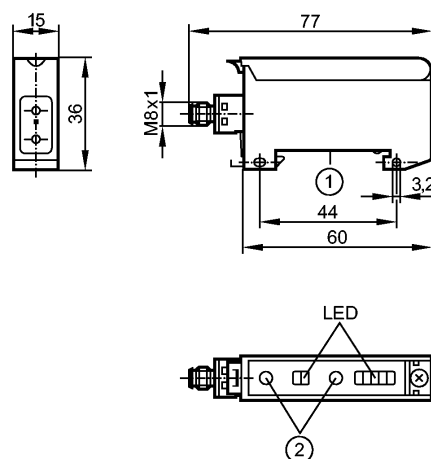


OBF506

OBF-FAKG/T/AS

Photoelectric sensors



- 1: Mounting on DIN rail
2: setting pushbuttons

Made in Germany



Product characteristics

Fibre-optic amplifier
Rectangular, plastics
Connector
For fibre optics with metal sheath
for FE/FT-50 fibres
Automatic detection PNP/NPN
Preset switch point
Sensing range 0...400mm (Through-beam sensor)
Range 0...40mm (Diffuse reflection sensor)
adjustable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 50
Type of light	Infrared light 880 nm
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	light-on / dark-on programmable
Factory setting	dark-on mode Preset switch point
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	500
Timer [s]	0.001...0.09

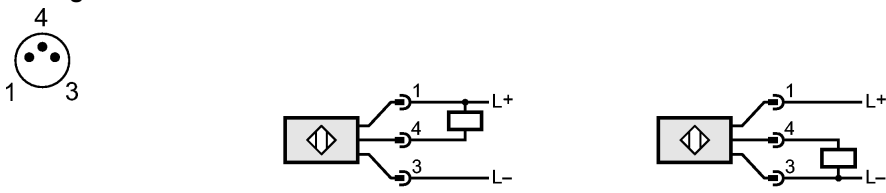
Range

Sensing range [m]	0...0.4 (Through-beam sensor)
Range [mm]	0...40 (Diffuse reflection sensor)

OBF506

OBF-FAKG/T/AS

Photoelectric sensors

Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	834
Mechanical data		
Housing materials		modified PPE
Weight	[kg]	0.065
Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green
Unsafe zone	LED	Red
Excess gain	LED	4 x green
Electrical connection		
Connection		M8 connector
Wiring 		
Remarks		
Remarks	When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO". When through-beam fibre optics are connected dark-on mode means the output function "NO" and when diffuse reflection fibre optics are connected the output function "NC"	
Pack quantity	[piece]	1