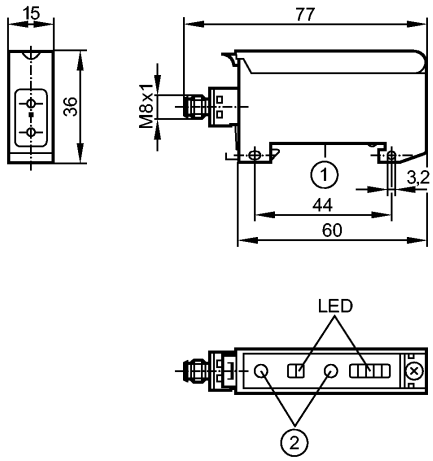
efector200

OBF505

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		
Function check output		
Automatic detection PNP/NPN		
Sensing range 0...1000mm (Through-beam sensor)		
Range 0...150mm (Diffuse reflection sensor)		
adjustable		
Electrical data		
Electrical design		DC PNP/NPN
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 50
Type of light		Red light
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		light-on / dark-on programmable
Voltage drop		
- Switching output	[V]	< 2.5
- Function check output	[V]	< 2.5
Current rating		
- Switching output	[mA]	100
- Function check output	[mA]	10
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	1000
Timer	[s]	0.001...0.09
Range		

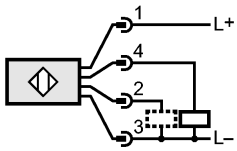
OBF505

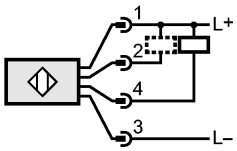
OBF-FAKG/T/AS

Photoelectric sensors

Sensing range	[m]	0...1 (Through-beam sensor)
Range	[mm]	0...150 (Diffuse reflection sensor)
Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	806
Mechanical data		
Housing materials		modified PPE
Weight	[kg]	0.066
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





2 : function check

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" cULus - Class 2 source required
Pack quantity [piece]	1