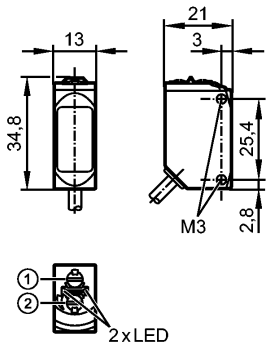
efector200

O6P300

O6P-FPKG

Photoelectric sensors



1: output function switch
2: potentiometer sensitivity

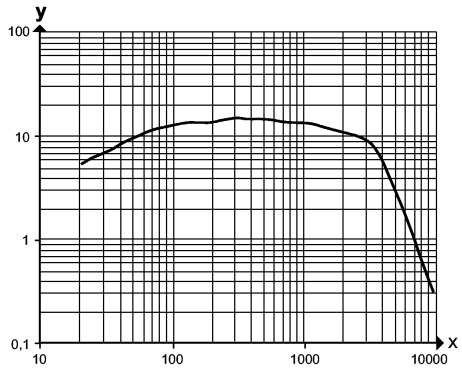
Made in Germany

Product characteristics		
Retro-reflective sensor		
Rectangular Metal		
Cable		
Polarisation filter		
adjustable		
Sensing range 0.05...5m (Prismatic reflector Ø 80 (E20005))		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	20 (24 V)
Type of light		Red light 633 nm
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		light-on/dark-on mode selectable
Voltage drop	[V]	< 2.5
Current rating	[mA]	100
Short-circuit protection		pulsed
Switching frequency	[Hz]	1000
Range		
Sensing range	[m]	0.05...5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter	[mm]	150 (at maximum range)

Excess gain graphs
x: distance in [mm]
y: excess gain factor

O6P300

O6P-FPKG



Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 65 / IP 67 ; IP 68 / IP 69K
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	908
UL approval number		E003
Mechanical data		
Housing materials		housing: stainless steel 316L / 1.4404; plastics: PPSU
Lens material		PMMA
Weight	[kg]	0.083
Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green
Electrical connection		
Connection		PVC cable / 2 m; 3 x 0.25 mm²

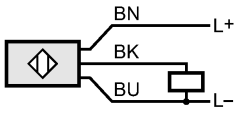
Wiring

Core colours

BN brown

BK black

BU blue



Remarks		
Remarks		UL - Class 2 source required
Pack quantity	[piece]	1