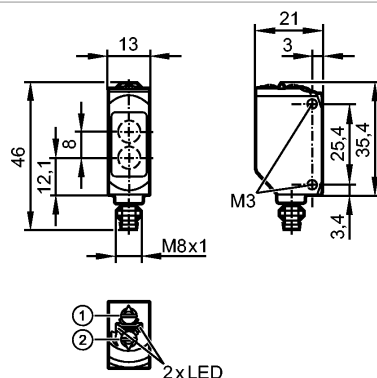


O6P202

O6P-FPKG/AS/3P

Photoelectric sensors



- 1: output function switch
2: potentiometer sensitivity

Empfänger in oberer Optik
Sender in unterer Optik



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Polarization 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]	12 (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	yes (non-latching)
Switching frequency [Hz]	1000

Monitoring range

Sensing range [m]	0.05...5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	150 (at maximum range)

Excess gain graphs

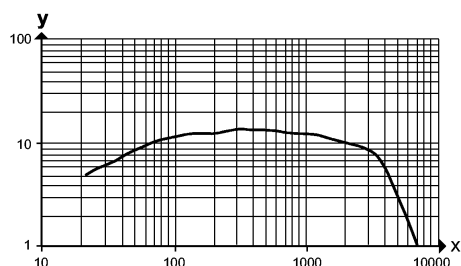
x: distance in [mm]

y: excess gain factor

O6P202

O6P-FPKG/AS/3P

Photoelectric sensors


Environment

Ambient temperature	[°C]	-25...60
Protection		IP 65 / IP 67

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	895
UL approval number		E001

Mechanical data

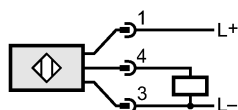
Housing materials		housing: ABS; PPSU; connector thread: brass coated; sealing: EPDM
Lens material		PMMA
Weight	[kg]	0.019
Tightening torque [Nm]		0.5

Displays / operating elements

Output status indication	LED	yellow
Power	LED	green

Electrical connection

Connection		M8 connector
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Wiring

Remarks

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