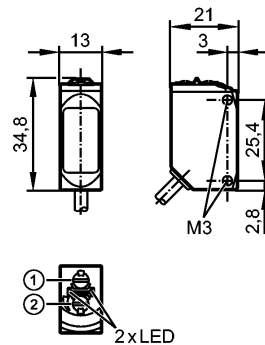


O6P304

O6P-FNKG

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 NPN
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

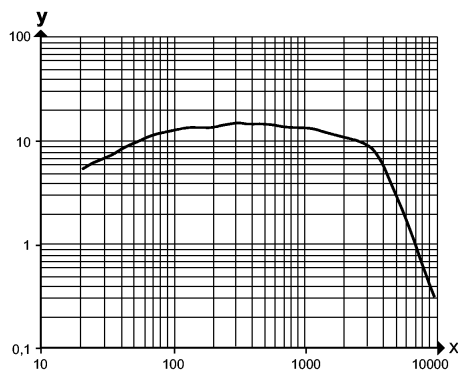
x: distance in [mm]

y: excess gain factor

O6P304

O6P-FNKG

Photoelectric sensors



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]	0.085

Displays / operating elements

Output status indication	LED	yellow
Operation	LED	green

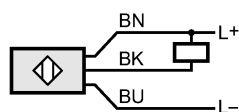
Electrical connection

Connection		PVC cable / 2 m; 3 x 0.25 mm²
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Wiring

Core colours

BN brown
BK black
BU blue



Remarks

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