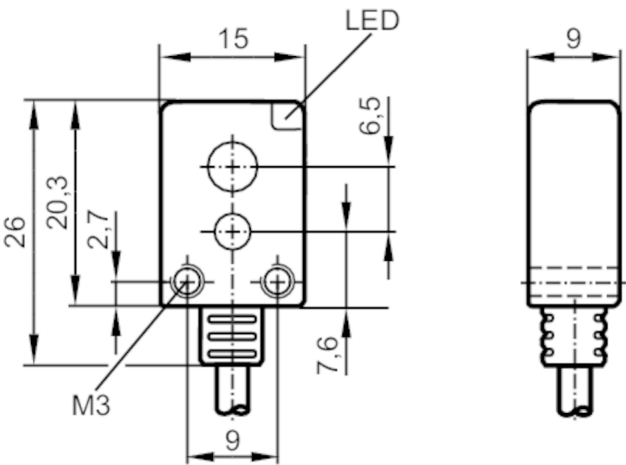




Retro-reflective sensor

O7P-DNKG/0,20M/AS



receiver in upper lens
transmitter in lower lens



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarisation filter
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	20; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	633
Outputs		
Electrical design		NPN
Output function		dark-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Detection zone		
Range referred to prismatic reflector	[m]	0.03...1; (Prismatic reflector Ø 80 E20005; Prismatic reflector 50 x 50 mm E21299)
Range adjustable		no



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Max. light spot diameter	[mm]	55
Light spot dimensions refer to		at maximum range
Polarisation filter available		yes

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	969

Mechanical data

Weight	[g]	14.4
Housing		rectangular
Dimensions	[mm]	20.3 x 15 x 9
Materials		PA
Lens material		PMMA
Lens alignment		side lens
Tightening torque	[Nm]	0.5

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Remarks		operating voltage "supply class 2" according to UL
Pack quantity		1 pcs.

Electrical connection

Cable: 0.2 m, PUR; 3 x 0.14 mm²

Connector: 1 x M8; coding: A; Locking: snap-fit





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Connection

