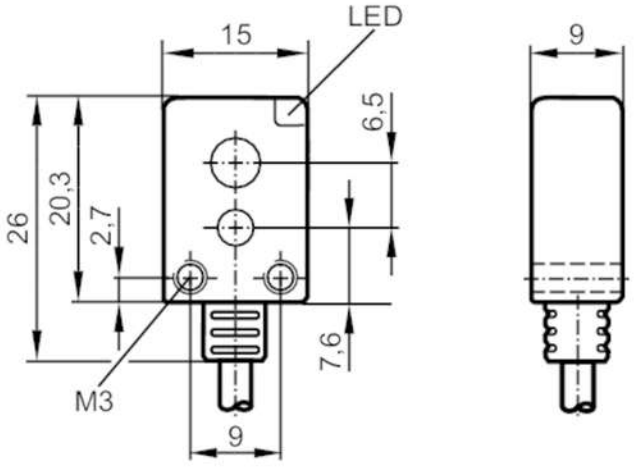
O7P202

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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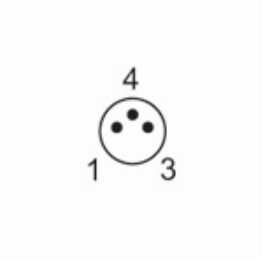
Max. light spot diameter	[mm]	55	
Light spot dimensions refer to		at maximum range	
Polarisation filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	969	
Mechanical data			
Weight	[g]	14.4	
Housing		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
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

