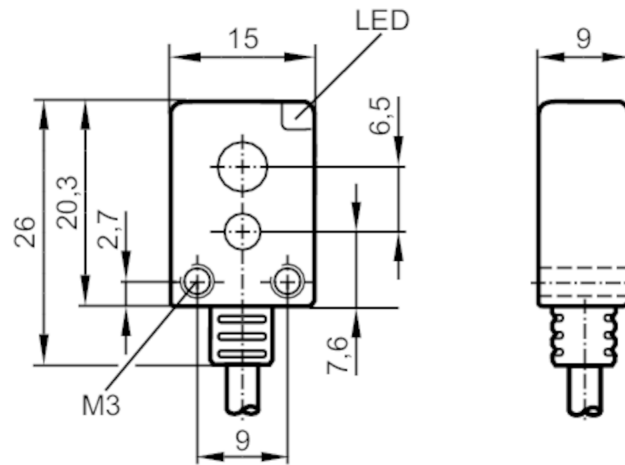


# O7P202



## 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
Dimensions [mm]	20.3 x 15 x 9

### 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



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Detection zone		
Range referred to prismatic reflector [m]	0.03...1; (Prismatic reflector Ø 80 E20005; Prismatic reflector 50 x 50 mm E20744)	
Range adjustable	no	
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	
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 mm <sup>2</sup>		
Connector: 1 x M8; Locking: snap-fit		



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### Connection

