

O7P202



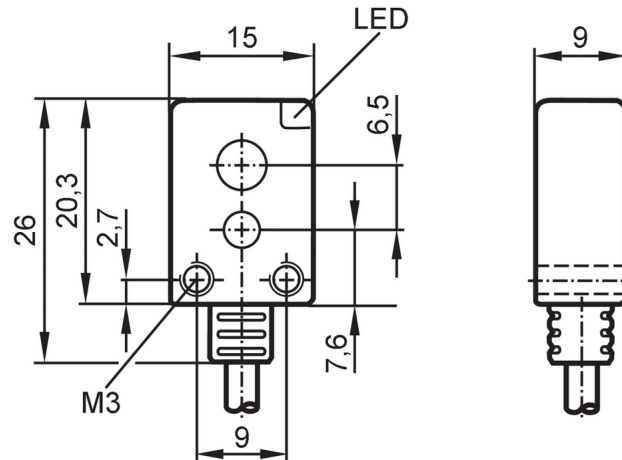
Retro-reflective sensor

O7P-DNKG/0,20M/AS

Article to be discontinued
Discontinuation date: 03/31/2026

Alternative articles: O7P200

When selecting an alternative article and accessories please note that technical data may differ!



Receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	red light
Housing	rectangular

Application

Special feature	polarization 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		yes (non-latching)

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Monitoring range		
Range referred to prismatic reflector [m]	0.03...1; (Prismatic reflector Ø 80 E20005; Prismatic reflector 50 x 50 mm E21299)	
Range adjustable	no	
Max. light spot diameter [mm]	55	
Light spot dimensions refer to	at maximum range	
Polarization 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	
Material	housing: PA	
Lens material	front lens: PMMA	
Lens alignment	Side sensing	
Tightening torque [Nm]	0.5	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Remarks	UL - Class 2 source required	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 0.2 m, PUR; 3 x 0.14 mm ²		
Connector: 1 x M8; coding: A; Locking: snap-fit		
		

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Connection

