

O7P202

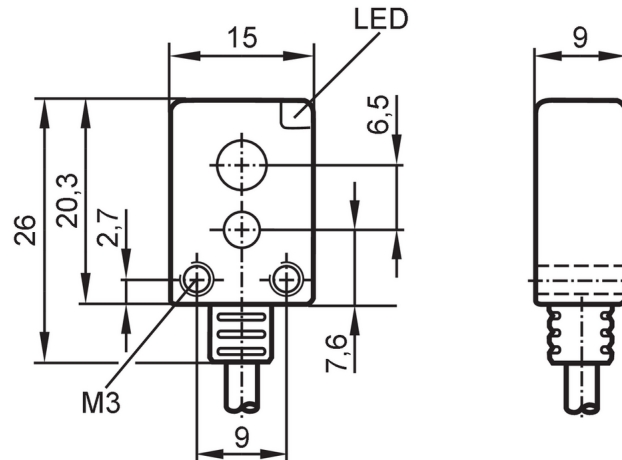


Retro-reflective sensor

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
Application	For applications in robotics, assembly and handling technology

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

O7P202



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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 mm²

Connector: 1 x M8; coding: A; Contacts: 3; Locking: snap-fit



O7P202



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Connection

