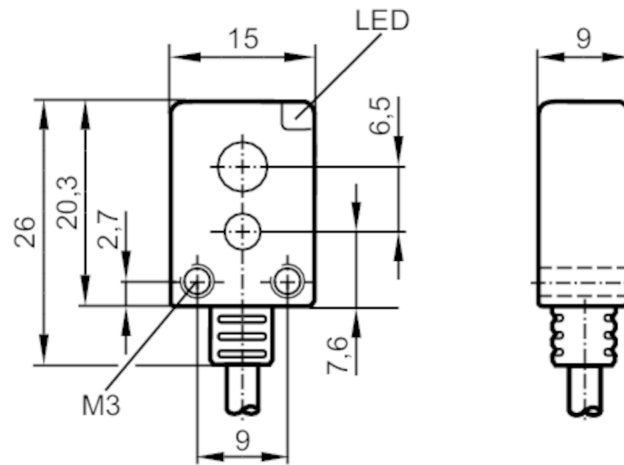


# O7P203



## Retro-reflective sensor

O7P-HNKG/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		light-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

### 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 mm<sup>2</sup>

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



### Connection

