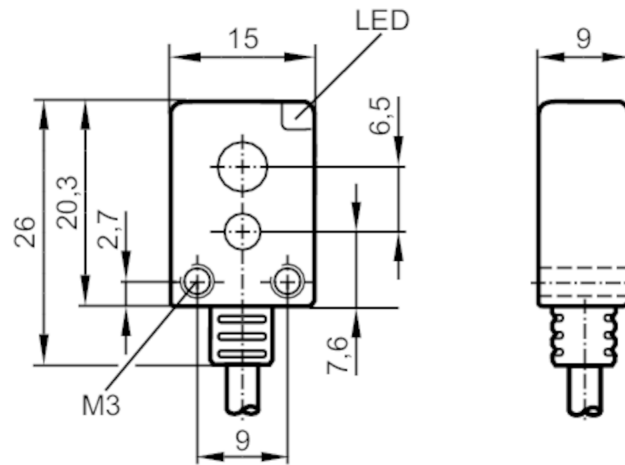


# O7P205



## Retro-reflective sensor

O7P-DPKG/2M/PH



Receiver in upper lens  
transmitter in lower lens



### Product characteristics

Type of light	red light
Housing	rectangular

### Application

System	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		PNP
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)

# O7P205



## Retro-reflective sensor

O7P-DPKG/2M/PH

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]	1155	
Mechanical data		
Weight [g]	31.6	
Housing	rectangular	
Dimensions [mm]	20.3 x 15 x 9	
Material	PA	
Lens material	PMMA	
Lens alignment	Side sensing	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	

# O7P205



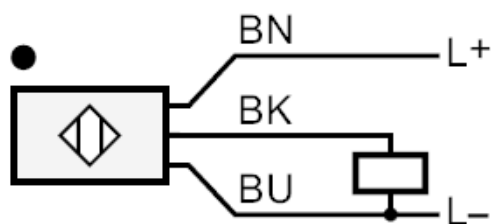
## Retro-reflective sensor

O7P-DPKG/2M/PH

### Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm<sup>2</sup>

### Connection



Core colors :

BK = black  
BN = brown  
BU = blue