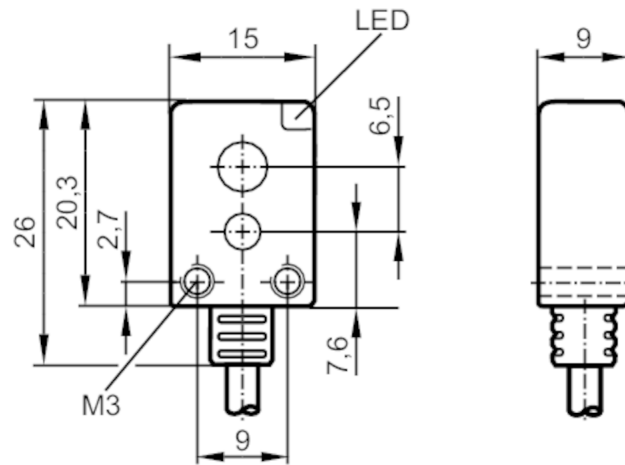


O7P205



Retro-reflective sensor

O7P-DPKG/2M/PH



receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	red light
Housing	rectangular
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	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	pulsed

O7P205



Retro-reflective sensor

O7P-DPKG/2M/PH

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]	1155	
Mechanical data		
Weight [g]	31.6	
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		
Pack quantity	1 pcs.	

O7P205



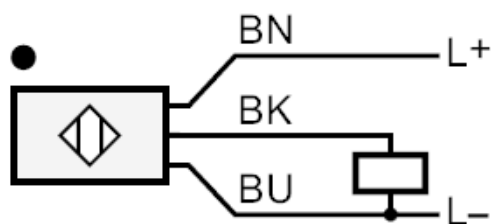
Retro-reflective sensor

O7P-DPKG/2M/PH

Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm²

Connection



Core colours :

BK =

black

BN =

brown

BU =

blue