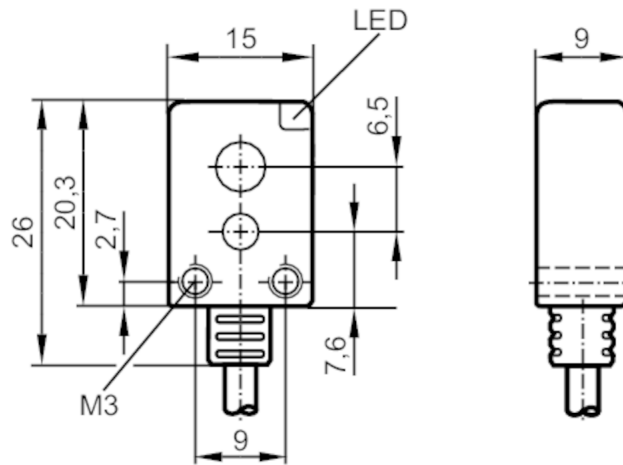




Retro-reflective sensor

O7P-DNKG/0,20M/AS



receiver in upper lens
transmitter in lower lens



Application

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	pulsed

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

O7P202



Retro-reflective sensor

O7P-DNKG/0,20M/AS

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
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 mm²

Connector: 1 x M8; Locking: snap-fit



Connection

