



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

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

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

O7P205



Retro-reflective sensor

O7P-DPKG/2M/PH

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	[ANN]	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
---------	------------------	-----------------

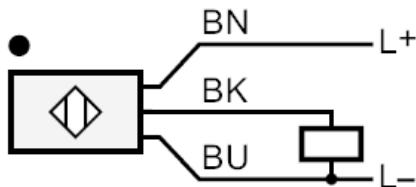
Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue