

OT5016



Retro-reflective sensor

OTP-FNKG

Article no longer available - archive entry

Alternative articles: O5P502

When selecting an alternative article and accessories please note that technical data may differ!



- 1 potentiometer
Receiver in lower lens
Transmitter in upper 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...55 DC
Current consumption	[mA]	35; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5

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Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Range referred to prismatic reflector	[m]	0.2...2; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	280
Light spot dimensions refer to		at maximum range
Polarization filter available		yes

Operating conditions

Ambient temperature	[°C]	-25...60
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Weight	[g]	0.218
Housing		rectangular
Dimensions	[mm]	75 x 19 x 30
Material		PBT
Lens material		PMMA
Lens alignment		Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Accessories

Items supplied	Angle bracket: 1, E20441
	screwdrivers

Remarks

Pack quantity	1 pcs.
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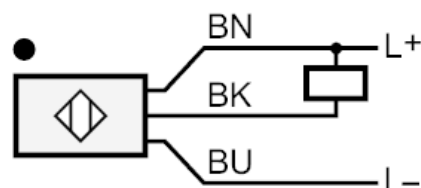
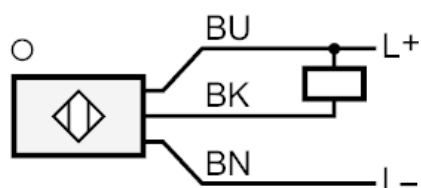
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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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

Diagrams and graphs

excess gain graph

