

Retro-reflective sensor

OSP-FNKG

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Alternative articles: OA5106

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



- 1 potentiometer timer
2 potentiometer sensitivity
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...55 DC
Current consumption [mA]	25; ((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; (configurable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	100



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Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Range [m]	< 6; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes
Polarization filter available	yes

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Housing	rectangular
Dimensions [mm]	80 x 28 x 95
Material	PPO modified
Lens material	glass

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	Angle bracket screwdrivers
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Remarks

Pack quantity	1 pcs.
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Electrical connection

terminals: ...1.5 mm²; Cable sheath: Ø 7...13 mm

Connection

