

Retro-reflective sensor

OSR-FNKG

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Alternative articles: OA5104

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	infrared light
Housing	rectangular

Application

Function principle	Retro-reflective sensor
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Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	30; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	950

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	100
Short-circuit protection		yes

OS5017



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Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range [m]	< 10; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes

Operating conditions

Ambient temperature [°C]	-25...80
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
Materials	PPO modified
Lens material	glass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Аксессуары

Items supplied	Angle bracket
	screwdrivers

Remarks

Pack quantity	1 pcs.
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Electrical connection

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

Connection

