OS5033

Retro-reflective sensor

OSP-FNKG

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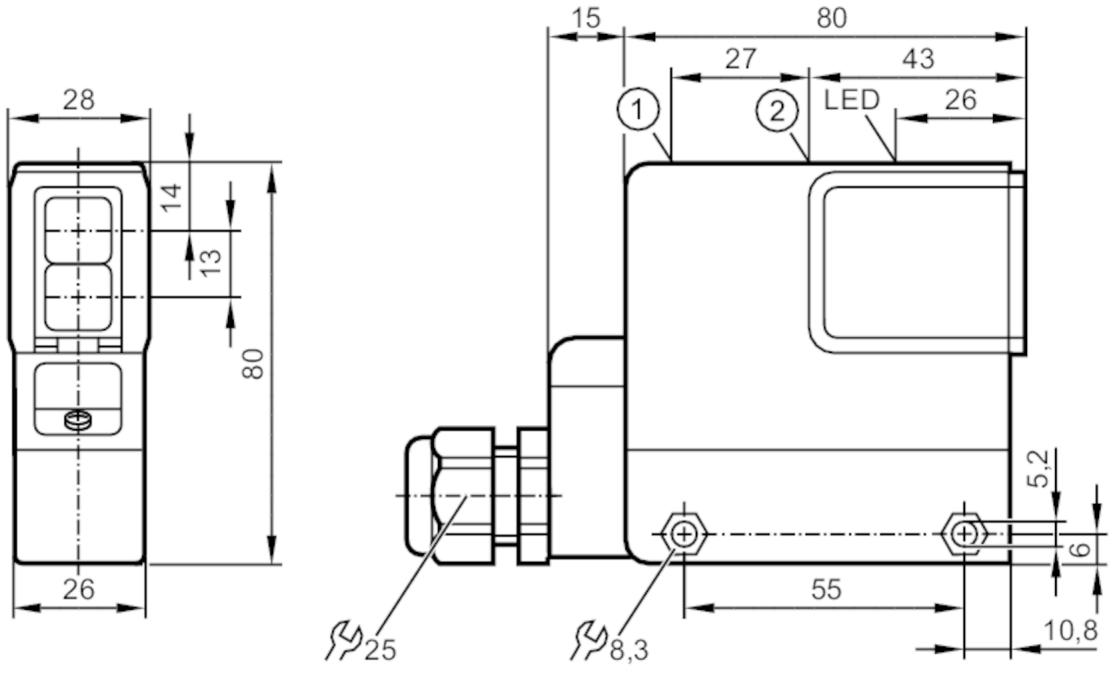
Alternative articles: OA5106

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		
Special feature		polarisation 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; (parameterisable)
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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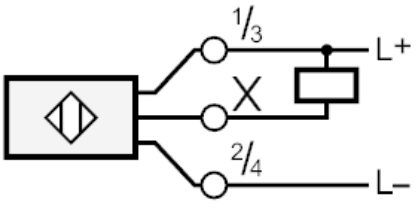
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Range	[m]	< 6; (Prismatic reflector Ø 80 E20005)	
Range adjustable		yes	
Polarisation filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
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
Accessories			
Items supplied		Angle bracket	
		screwdrivers	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

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

Connection