Dimensions



54.3 Print Type code Connection diagram M^{14.8} ø5.2 -0.2 Þ œ 5.2 -0 Ú Dovetail mount ø6. ſĭ 51 LED indicator: switching state LED indicator LED indicato switching state operation

Model Number

RL28-55-V-3018

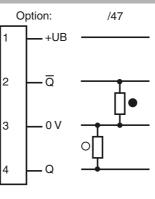
Retroreflective sensor with 0.3 m fixed cable and M12 connector, 4-

pin

Features

- ٠ Ultra bright LEDs for power on, weak signal indication and switching state
- Not sensitive to ambient light, even • with switched energy saving lamps
- Waterproof, degree of protection IP67 •
- Protection class II •

Electrical connection



Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

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Technical data		Accessories	
		Accessories	
General specifications		OMH-05	
Effective detection range	08m	Mounting aid for round steel ø 12 mm or	
Reflector distance	0.5 8 m (blind range 0 0.2 m faded out)	sheet 1.5 mm 3 mm	
Threshold detection range	12 m		
Reference target	H60 reflector 40 mm x 60 mm	OMH-07	
Light source	LED	Mounting aid for round steel ø 12 mm or	
Light type	modulated visible red light, 660 nm	sheet 1.5 mm 3 mm	
Polarization filter	yes	0.0011.01	
Diameter of the light spot	approx. 160 mm at a distance of 8 m emitter 1.2°	OMH-21	
Angle of divergence	receiver 2°	Mounting bracket	
Ambient light limit	80000 Lux	OMH-22	
Functional safety related paramet		Mounting bracket	
MTTF _d 690 a		Mounting bracket	
Mission Time (T _M)	20 a	OMH-MLV11-K	
Diagnostic Coverage (DC)	0%	dove tail mounting clamp	
Indicators/operating means			
Operation indicator	LED green	OMH-RLK29-HW	
Function indicator	2 LEDs yellow, light up when light beam is free, flash when	Mounting bracket for rear wall mounting	
	falling short of the stability control, off when light beam is	OMH-RL28-C	
	interrupted		
Electrical specifications		Weld slag cover model	
Operating voltage	U _B 10 30 V DC	Other suitable accessories can be found at	
Ripple	10 %	www.pepperl-fuchs.com	
No-load supply current	$I_0 \leq 40 \text{ mA}$		
Output			
Switching type	light on		
Signal output	2 PNP, complementary, short-circuit protected, reverse pola		
Quitching veltage	protected , open collectors		
Switching voltage	max. 30 V DC		
Switching current	max. 200 mA f 1000 Hz		
Switching frequency Response time	0.5 ms		
•	0.51115		
Conformity	EN 00047 E 0		
Product standard	EN 60947-5-2		
Ambient conditions			
Ambient temperature	-40 60 °C (-40 140 °F)		
Storage temperature	-40 75 °C (-40 167 °F)		
Mechanical specifications			
Housing width	25.8 mm		
Housing height	88 mm		
Housing depth	54.3 mm		
Degree of protection Connection	IP67 with 0.3 m fixed cable and M12 connector, 4-pin		
Material	with 0.5 milited cable and Milz connector, 4-pm		
Housing	Plastic ABS		
Optical face	plastic		
•	70 g		
Mass	70 g		

II, rated voltage \leq 250 V AC with pollution degree 1-2 according to IEC 60664-1

E87056 , cULus Listed , class 2 power supply , type rating 1

Protection class

UL approval

Release date: 2018-03-26 09:53 Date of issue: 2018-03-26 203774_eng.xml

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