



Retroreflective sensor

ML17-54/59/102/115/154-Y912107

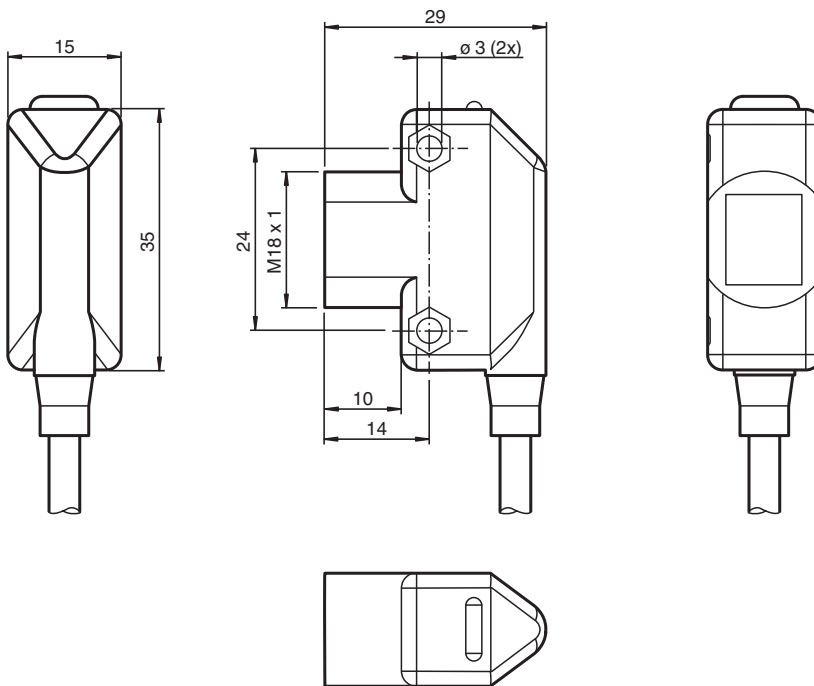


- Compact, versatile housing
- 360° high visibility LEDs
- Basic version with single output stage
- Tamper-proof version with no adjustments
- 2 m cable length

Retroreflective sensor with polarization filter



Dimensions



Technical Data

General specifications

Effective detection range	0 ... 3.5 m
Reflector distance	50 ... 3500 mm
Threshold detection range	5 m
Reference target	FE-RR1 reflector
Light source	LED
Light type	modulated visible red light , 626 nm
Polarization filter	yes
Ambient light limit	≤ 10000 Lux

Indicators/operating means

Operation indicator	LED green
Function indicator	LED yellow, lights up with receiver lit

Release date: 2023-04-04 Date of issue: 2023-04-04 Filename: 912107_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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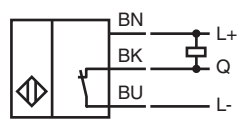
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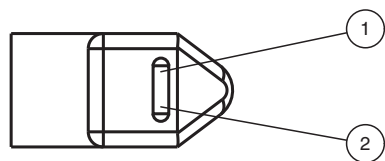
Technical Data

Electrical specifications		
Operating voltage	U_B	10 ... 30 V DC , class 2
Ripple		max. 10 %
No-load supply current	I_0	< 25 mA
Operating current	I_B	100 mA max per output
Time delay before availability	t_v	≤ 200 ms
Output		
Switching type		dark-on
Signal output		1 NPN, short-circuit protected, reverse polarity protected
Switching voltage		max. 30 V DC
Switching current		max. 100 mA
Voltage drop	U_d	≤ 2.5 V DC
Switching frequency	f	500 Hz
Response time		≤ 1 ms
Conformity		
Product standard		EN 60947-5-2
Approvals and certificates		
UL approval		cULus
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-20 ... 55 °C (-4 ... 131 °F)
Storage temperature		-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications		
Housing width		15 mm
Housing height		34.5 mm
Degree of protection		IP67
Connection		2 m fixed cable
Material		
Housing		ABS
Optical face		Acrylic
Mass		approx. 40 g

Connection



Indication

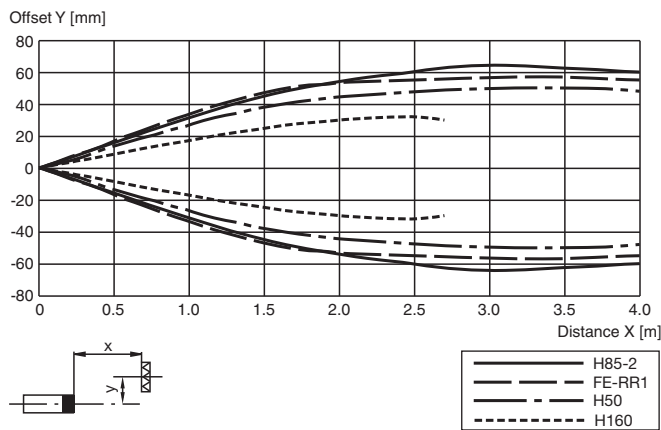


1	Signal display	yellow
2	Operating display	green

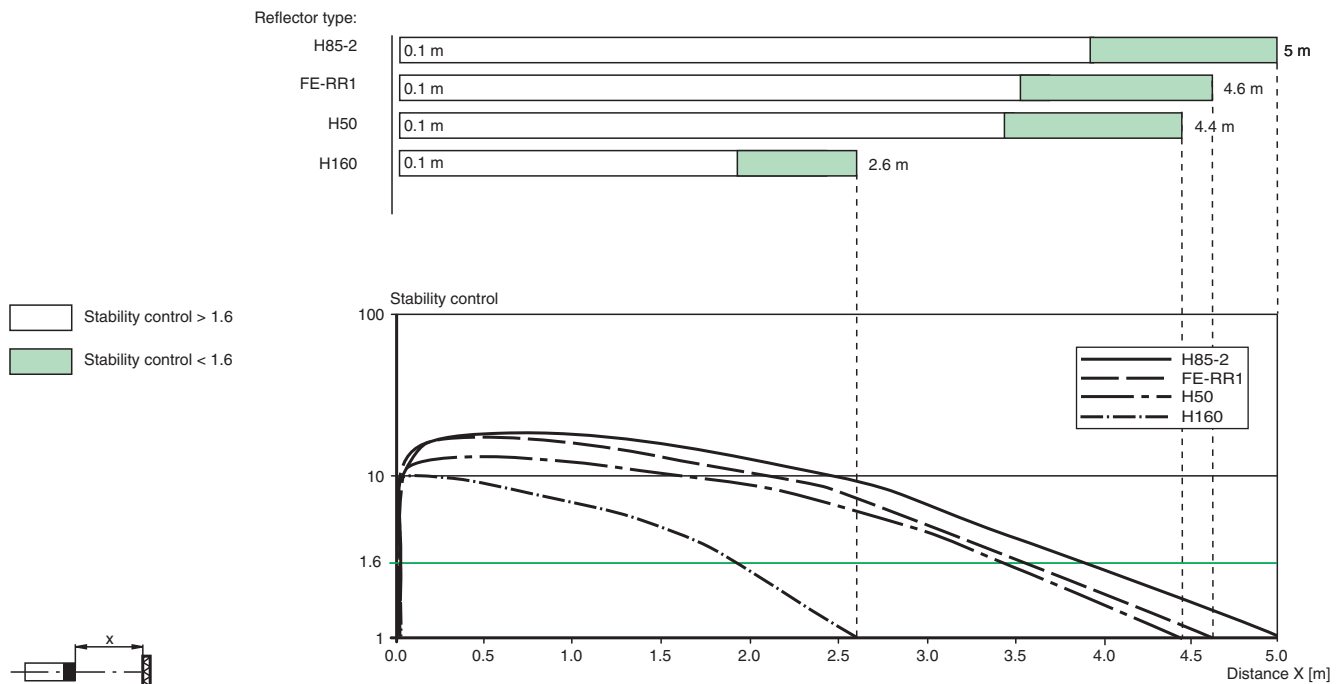
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Characteristic Curve

Characteristic response curve



Relative received light strength



Accessories

	OMH-ML17	Mounting bracket
	OMH-ML17-1	Mounting bracket