



## Retroreflective sensor

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

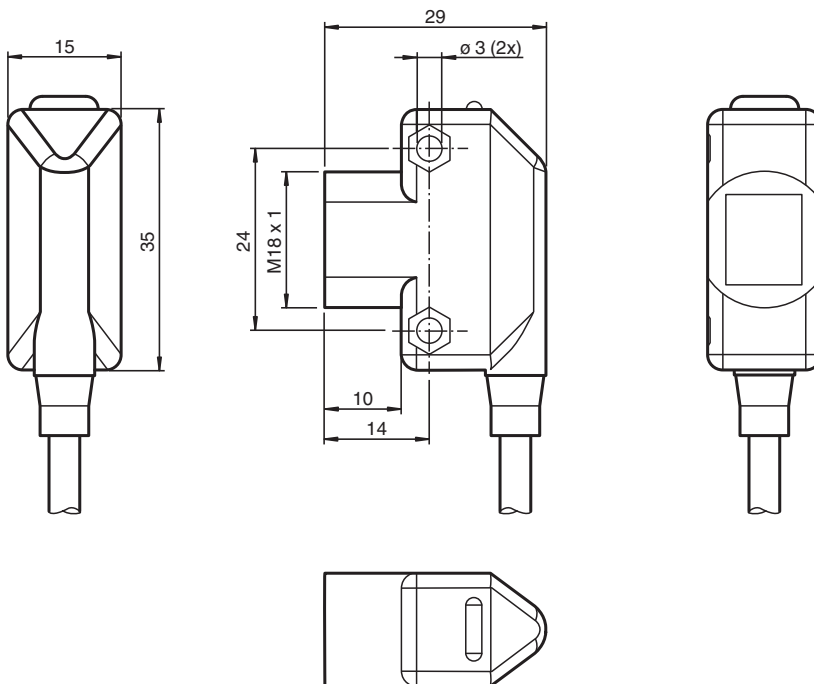


- Compact, versatile housing
- 360° high visibility LEDs
- Basic version with single output stage
- Tamper-proof version with no adjustments
- 2 m cable length

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

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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
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### Approvals and certificates

UL approval		cULus
CCC approval		CCC approval / marking not required for products rated ≤36 V

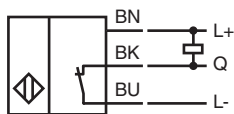
### Ambient conditions

Ambient temperature		-20 ... 55 °C (-4 ... 131 °F)
Storage temperature		-20 ... 70 °C (-4 ... 158 °F)

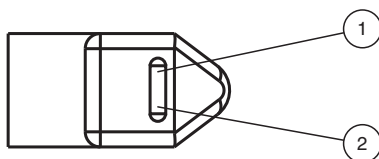
### Mechanical specifications

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

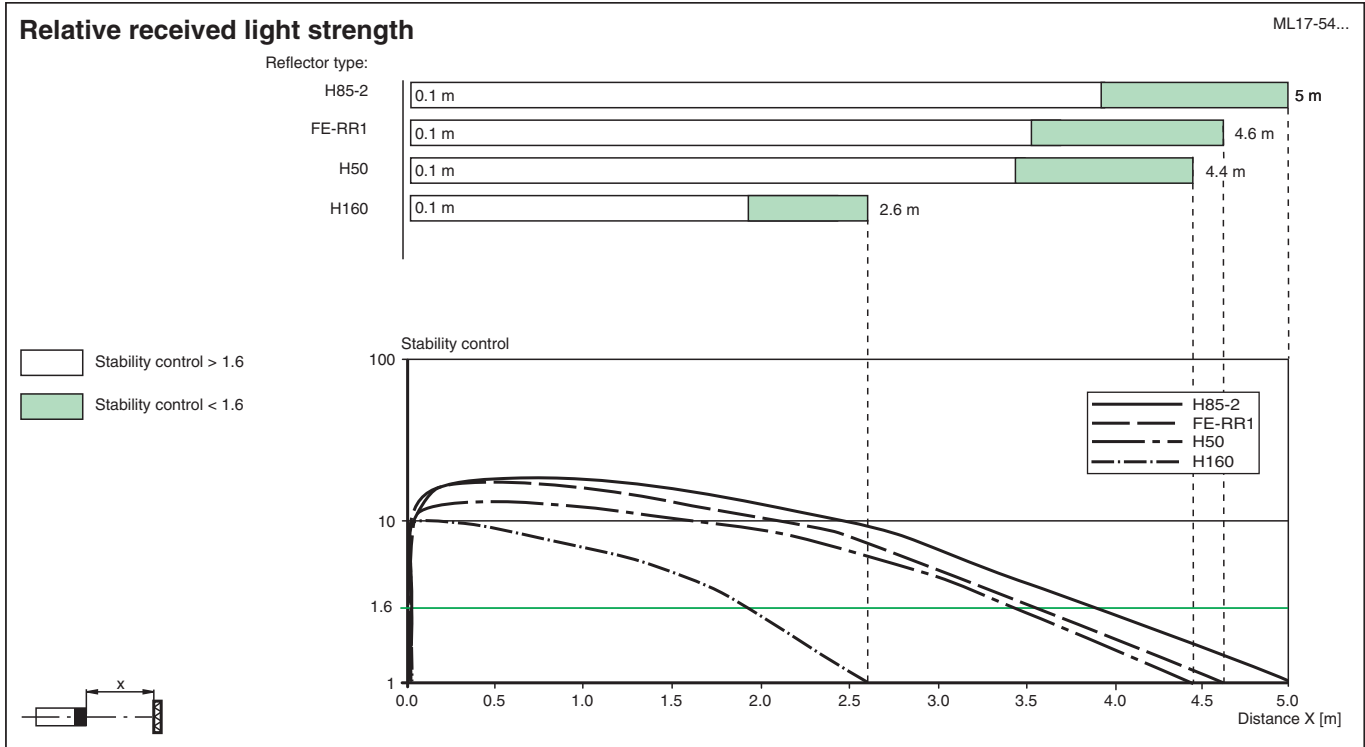
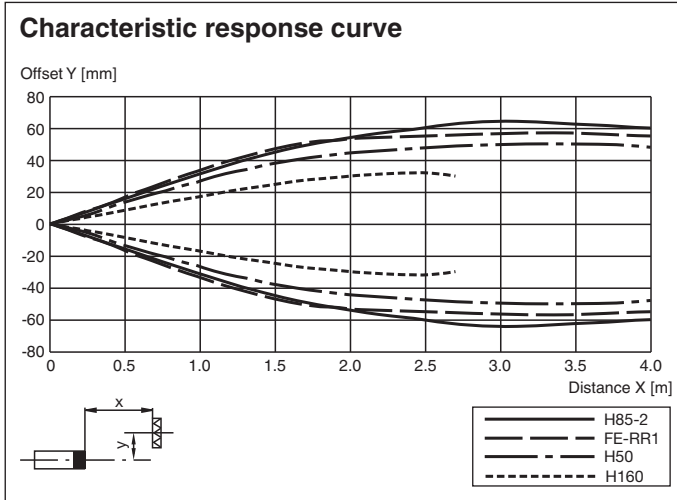


## Indication





1	Signal display	yellow
2	Operating display	green

## Characteristic Curve



## Accessories

	<b>OMH-ML17</b>	Mounting bracket
	<b>OMH-ML17-1</b>	Mounting bracket

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