

- Compact series in universal housing for standard applications
- Miniature design
- Front mounting with M18-threads or side mounting holes
- 360° high visibility LEDs
- Time-saving mounting with quick clamp system
- Version with polarized filters detect shiny objects

CE cULUS

Technical drawing of the M18 x 1 cable gland, showing three views and dimensions:

- Front View (Left):** Shows the top and bottom of the gland. The top flange has a width of 15 mm. The total height of the main body is 34.5 mm.
- Side View (Middle):** Shows the profile of the gland. The total width of the top flange is 29.3 mm. The distance from the front face to the center of the mounting holes is 10.2 mm. The height of the mounting holes is 24.1 mm. The bottom flange has a height of 13.9 mm and a central hole with a diameter of $\varnothing 3$.
- Detail View (Bottom):** A close-up of the bottom flange, showing a rectangular slot for a screw.

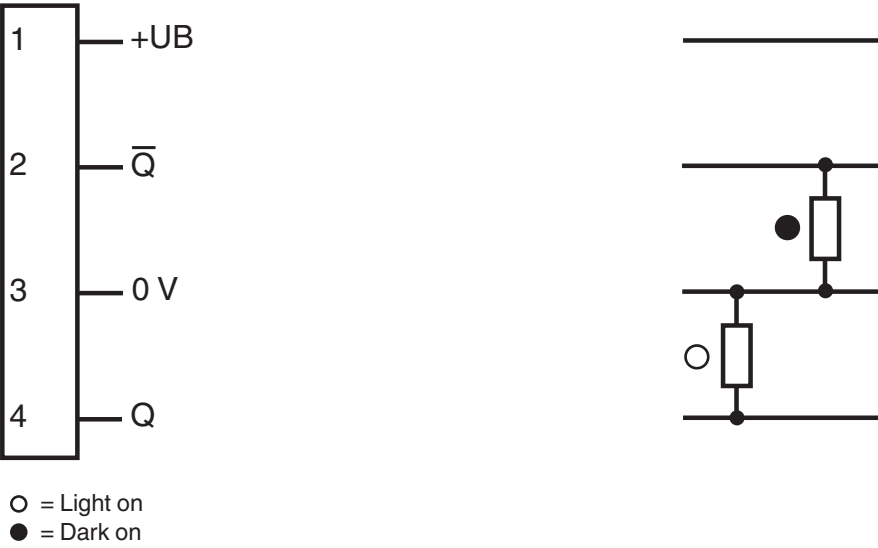
Effective detection range	0 ... 3.5 m
Reflector distance	50 ... 3500 mm
Threshold detection range	5 m
Reference target	FE-RR1 reflector

Technical Data

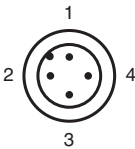
Light source	LED	
Light type		modulated visible red light , 626 nm
Polarization filter		yes
Ambient light limit		≤ 10000 Lux
Indicators/operating means		
Operation indicator		LED green
Function indicator		LED yellow, lights up with receiver lit
Control elements		sensitivity adjustment
Electrical specifications		
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		light/dark on
Signal output		2 PNP, short-circuit protected, reverse polarity protected , open collectors
Switching voltage		max. 30 V DC
Switching current		max. 100 mA
Voltage drop	U _d	≤ 2 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		fixed cable 150 mm with M12 x 1 male connector, 4 pin
Material		
Housing		ABS
Optical face		Acrylic
Mass		approx. 23 g

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Connection Assignment



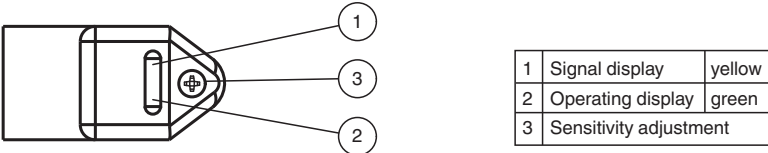
Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

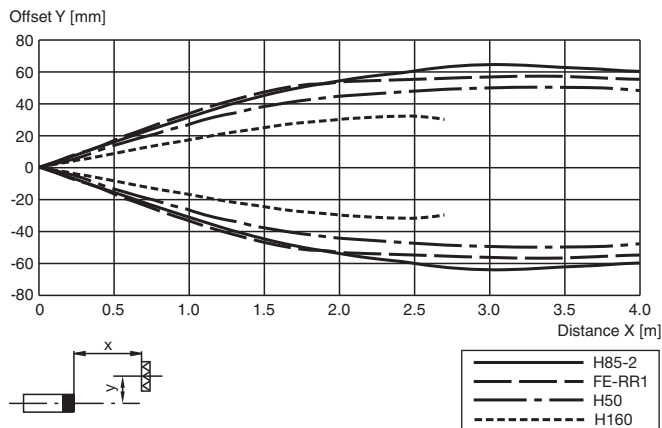
Assembly



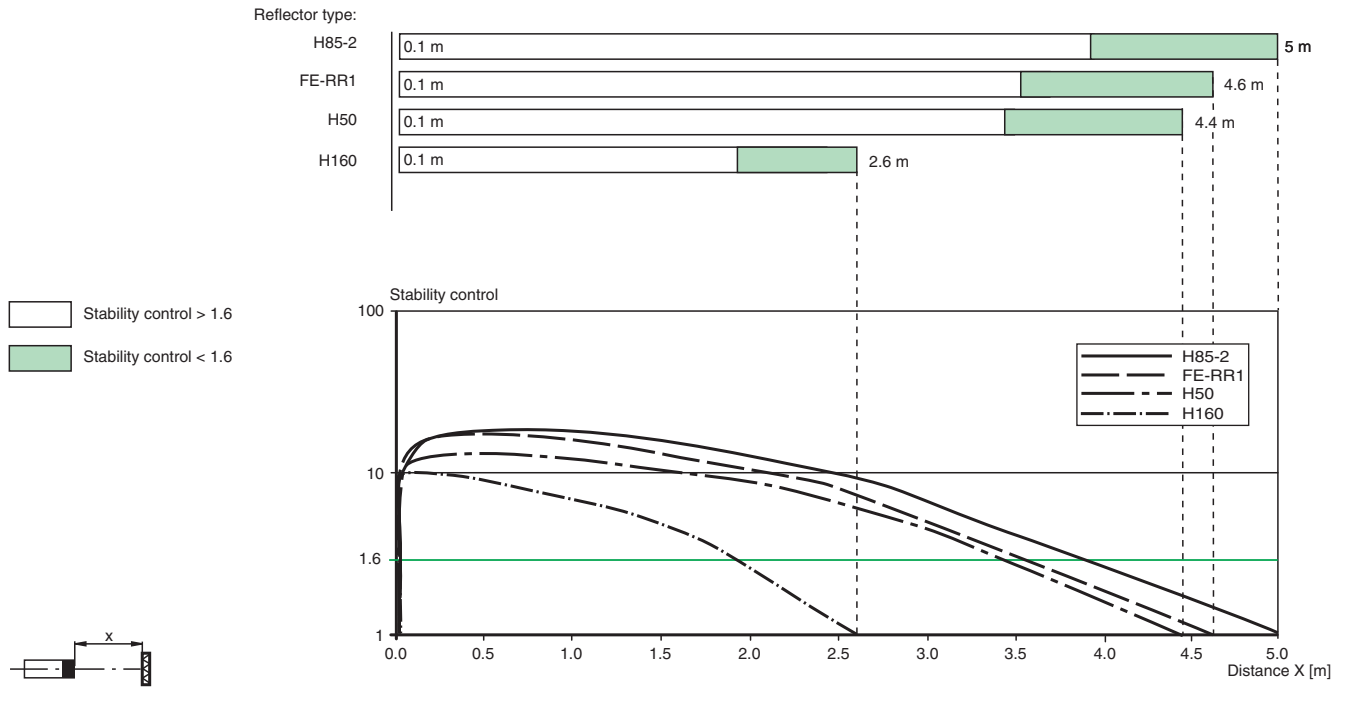
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Characteristic Curve

Characteristic response curve



Relative received light strength



Accessories

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