



Model Number

RL29-55/73c/136

Retro-reflective sensor with polarisation filter
with 4-pin, M12 x 1 plastic connector

Features

- Very clearly visible LED
- Powerful push-pull output
- Optimal price/power ratio
- Protection class II

Accessories

OMH-05

Mounting aid

OMH-07

Mounting aid

OMH-21

Mounting aid

OMH-22

Mounting aid

OMH-MLV11-K

Mounting aid

OMH-RLK29-HW

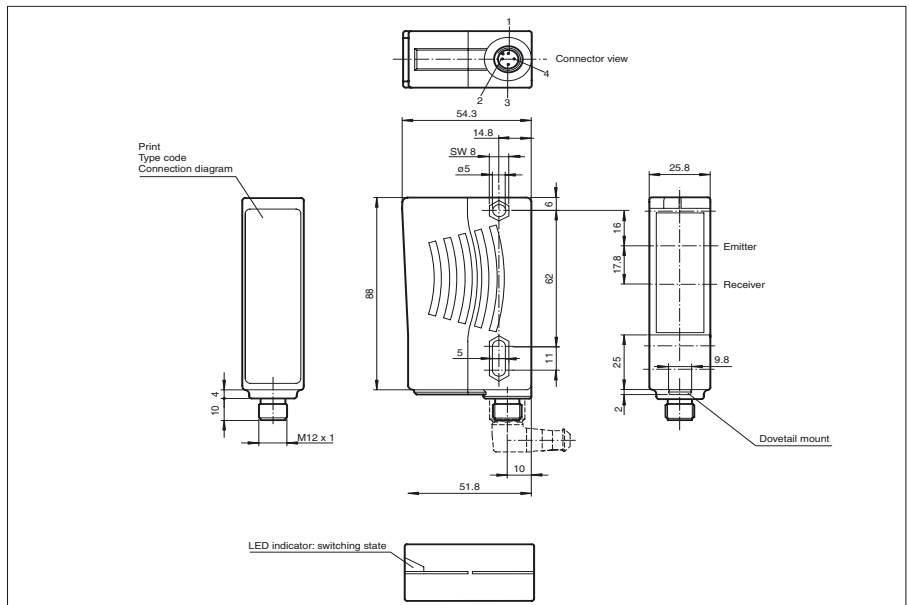
Mounting aid

OMH-RL28-C

Mounting aid

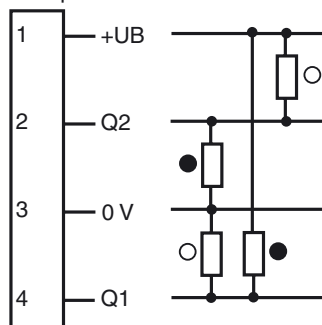
Suitable reflectors and cable sockets can be found in the Internet

Dimensions



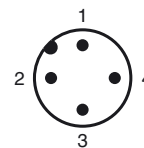
Electrical connection

Option:



○ = Light on
● = Dark on

Pinning according





Technical data

General specifications

Effective detection range	0.1 ... 7 m
Threshold detection range	10 m
Light source	LED, 660 nm
Approvals	CE, cULus
Reference target	H85 reflector
Light type	red, modulated light
Diameter of the light spot	approx. 150 mm at a distance of 7 m
Angle of divergence	Emitter: 1.2 ° , Receiver: 2 °
Ambient light limit	80000 Lux

Indicators/operating means

Function display	LED yellow, light with free light beam , flashes when falling short of the stability control
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Electrical specifications

Operating voltage	10 ... 30 V DC
Protection class	2 , rated voltage ≤ 300 V AC with degree of pollution 1-2 according to IEC 60664-1
Ripple	10 %
No-load supply current	$I_0 \leq 30 \text{ mA}$

Output

Switching type	dark ON
Signal output	2 Push-pull outputs, short-circuit proof, reverse polarity protection
Switching voltage	max. 30 V DC
Switching current	max. 100 mA
Switching frequency	$f \ 500 \text{ Hz}$
Response time	1 ms

Standard conformity

Standards	EN 60947-5-2
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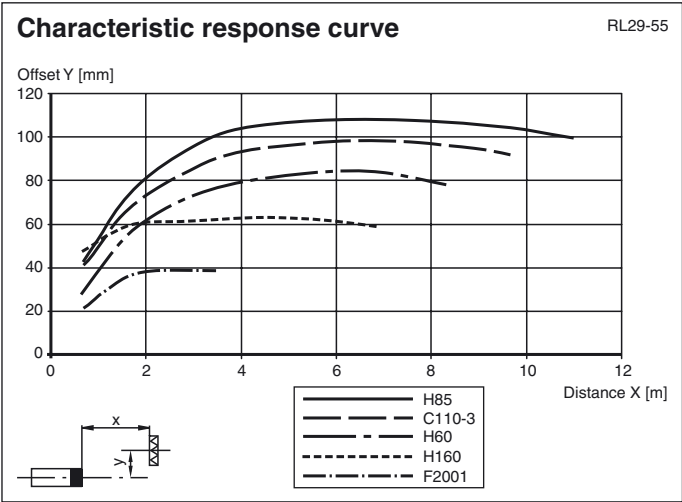
Ambient conditions

Ambient temperature	-25 ... 60 °C (248 ... 333 K)
Storage temperature	-40 ... 75 °C (233 ... 348 K)

Mechanical specifications

Protection degree	IP65
Connection	Plastic connector M12 x 1, 4-pin
Material	
Housing	Plastic ABS
Optical face	plastic
Mass	70 g

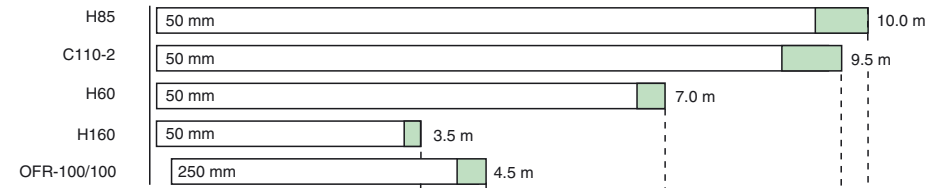
Curves / Diagrams



RL29-55

Relative received light strength

Reflector type:



Stability control > 1.5

Stability control < 1.5

