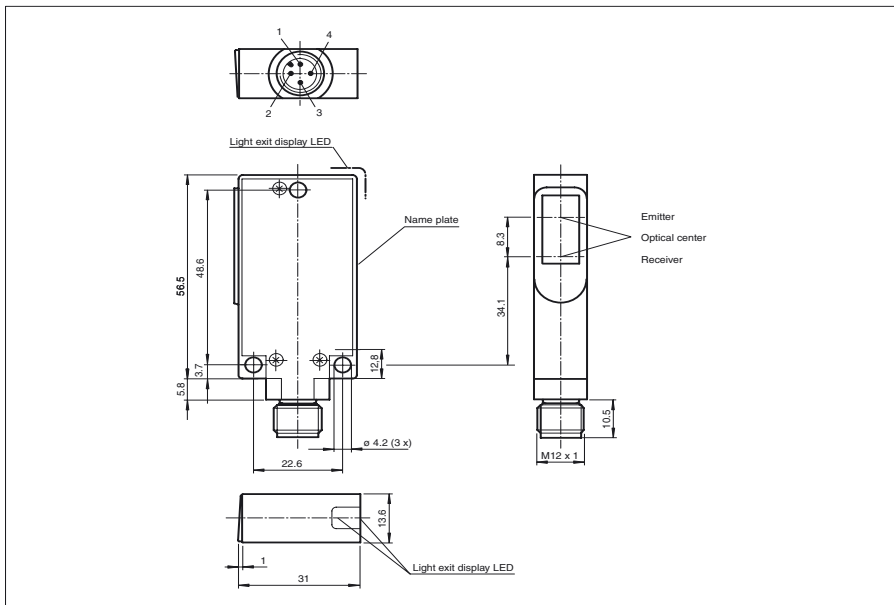




Dimensions



Model Number

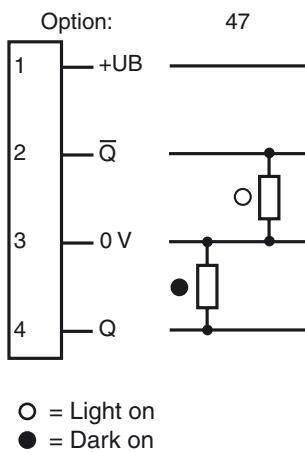
MLV40-54/47/92

Retro-reflective sensor with polarisation filter
with M12, 4-pin metal connector

Features

- Sturdy aluminium housing
- Scratch-resistant and solvent resistant optical covering made of glass
- Pre-fault indication
- Glare protected with polarisation filter

Electrical connection



Release date: 2008-07-09 18:24 Date of issue: 2008-07-09 418845_ENG.xml

Technical data

General specifications

Effective detection range	0.1 ... 1000 mm
Reflector distance	100 ... 1000 mm
Threshold detection range	2000 mm (with H60 reflector)
Light source	LED
Approvals	CE, cULus
Light type	red, modulated light
Diameter of the light spot	approx. 100 mm at 1000 mm detection range
Angle of divergence	approx. 3 °
Ambient light limit	80000 Lux

Indicators/operating means

Function display	LED yellow, lights up when light beam is unblocked, flashes when falling short of the stability control
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Electrical specifications

Operating voltage	10 ... 30 V DC
Ripple	5 %
No-load supply current	I_0 40 mA

Output

Switching type	light/dark switching
Signal output	2 pnp, antivalent, short-circuit proof, protected against reverse polarity
Switching voltage	max. 30 V DC
Switching current	max. 200 mA
Switching frequency	f 500 Hz
Response time	1 ms

Standard conformity

Standards	EN 60947-5-2
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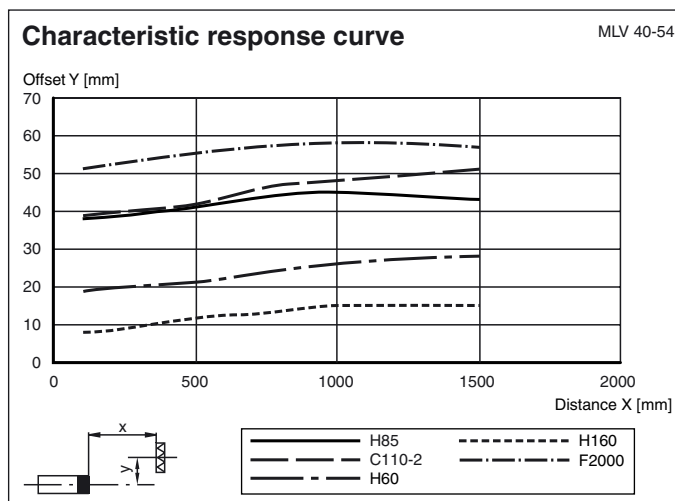
Ambient conditions

Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

Mechanical specifications

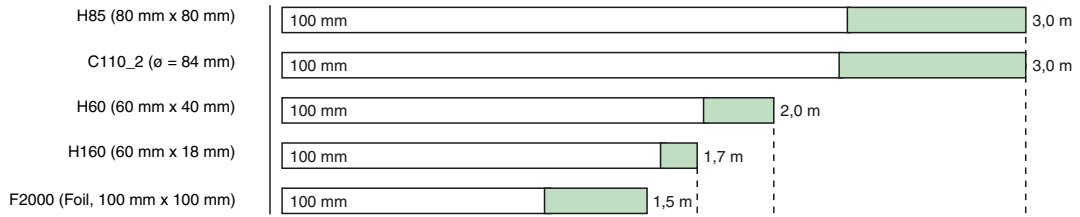
Protection degree	IP65
Connection	M12 connector, 4-pin
Material	
Housing	aluminium
Optical face	glass
Mass	100 g

Curves / Diagrams



Relative received light strength

Reflector type:



Stability control > 3
 Stability control < 3

Stability control

