



MLV15-54/40a/82b/95/103

Reflection light beam switch with polarisation filter

MLV15-54/40a/82b/95/103

with M8, 4-pin metal connector



- ◆ Detection range up to 3 m
- ◆ Small dimensions
- ◆ Integrated signal converter
- ◆ Protection degree IP67
- ◆ Adjustable time functions
- ◆ Light adjuster

General specifications

Effective detection range	100 ... 1500 mm
Reflector distance	100 ... 1500 mm
Threshold detection range	3000 mm (with H60 reflector)
Light source	LED
Approvals	CE, cULus
Reference target	H60 reflector
Light type	red, modulated light
Diameter of the light spot	120 mm at 2000 mm detection range
Angle of divergence	approx. 4 °
Ambient light limit	80000 Lux

Indicators/operating means

Function display	LED yellow, lights up when light beam is free, flashes when falling short of the stability control
Operating elements	sensitivity adjuster
Operating elements	Light/dark switch

Electrical specifications

Operating voltage	10 ... 30 V DC
Ripple	10 %
No-load supply current I_0	25 mA

Output

Output of the pre-fault indication	1 pnp, inactive when falling short of the stability control
Switching type	light/dark switching
Signal output	1 pnp, antivalent, short-circuit proof, protected against reverse polarity
Switching voltage	max. 30 V DC
Switching current	max. 100 mA
Switching frequency f	1000 Hz
Response time	0.5 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

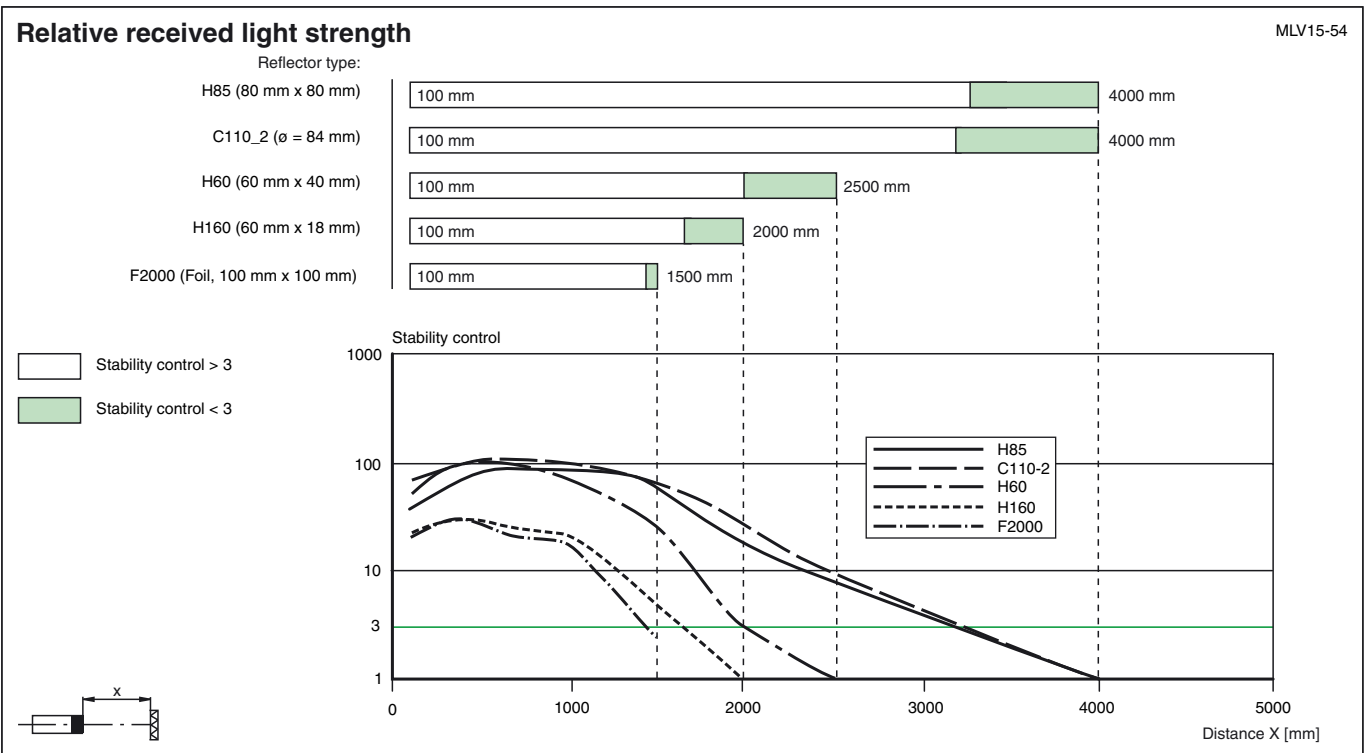
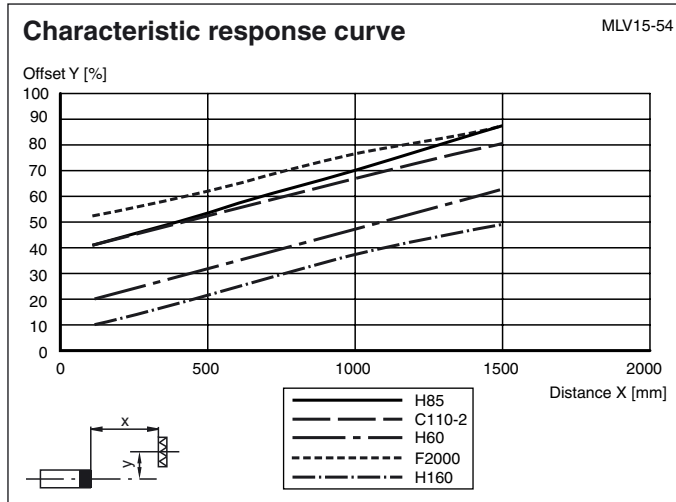
Protection degree	IP67
Connection	M8 connector, 4-pin
Material	
Housing	ABS
Optical face	plastic
Mass	15 g

Release date: 2005-05-04 12:31 Date of issue: 2005-07-04 419001_ENG.xml



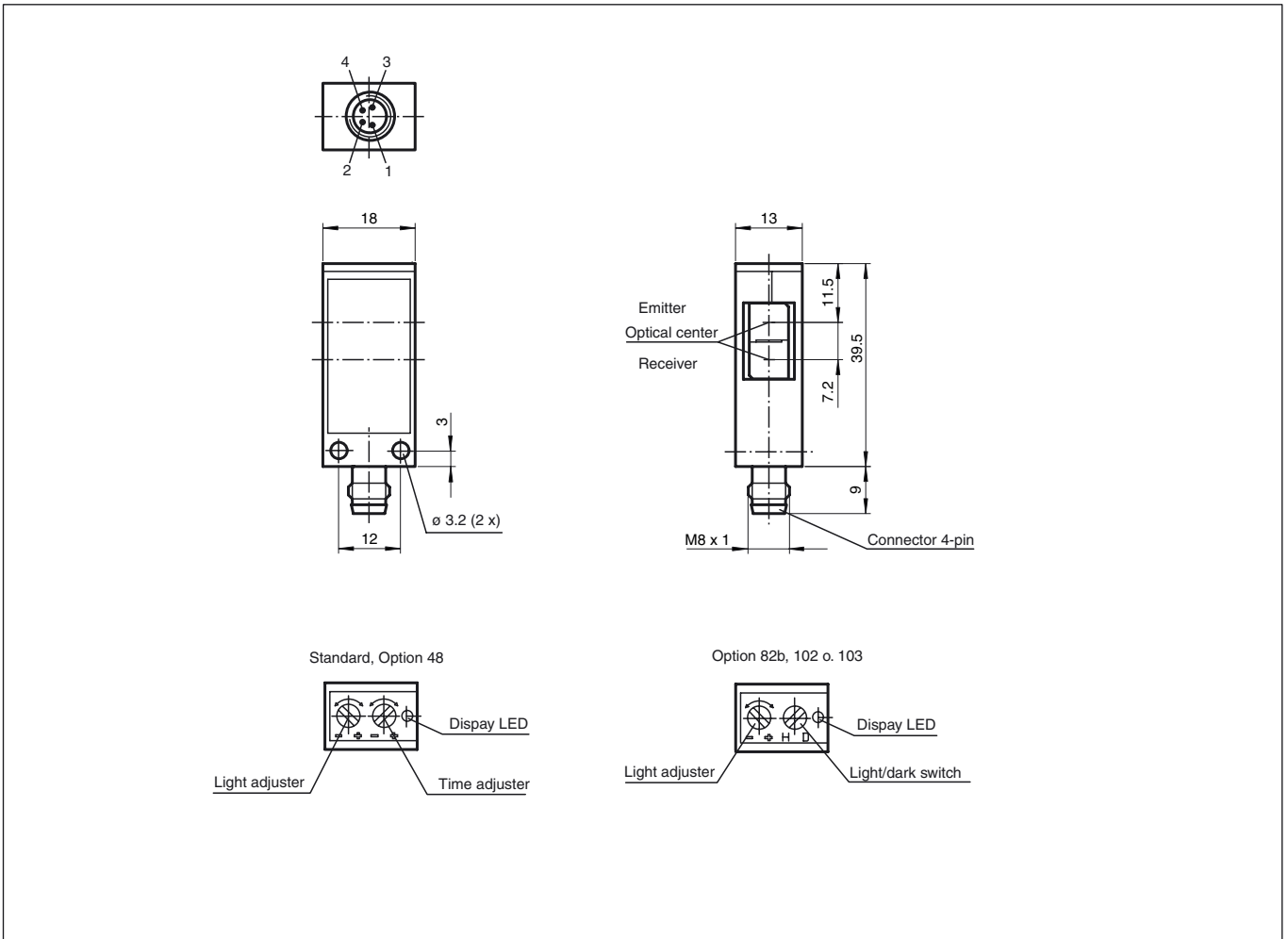
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Curves/Diagrams

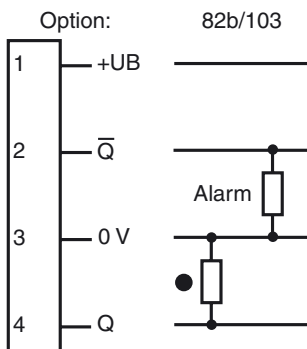


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Dimensions



Electrical connection



○ = light on, ● = dark on