



MLV15-8-300/40a/82b/95/103

Reflection light scanner

MLV15-8-300/40a/82b/95/103

with M8, 4-pin metal connector



- ◆ Detection range 3 mm ... 300 mm, adjustable
- ◆ Small dimensions
- ◆ Integrated signal converter
- ◆ Protection degree IP67
- ◆ Adjustable time functions
- ◆ Light adjuster

General specifications

Detection range	3 ... 300 mm
Light source	IRED
Approvals	CE, cULus
Adjustment range	75 ... 300 mm
Reference target	standard white 100 mm X 100 mm
Light type	infrared, modulated light
Diameter of the light spot	90 mm at 300 m detection range
Angle of divergence	approx. 16 °
Ambient light limit	70000 Lux

Indicators/operating means

Function display	LED yellow, flashes when falling short of the stability control
Operating elements	sensing range 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

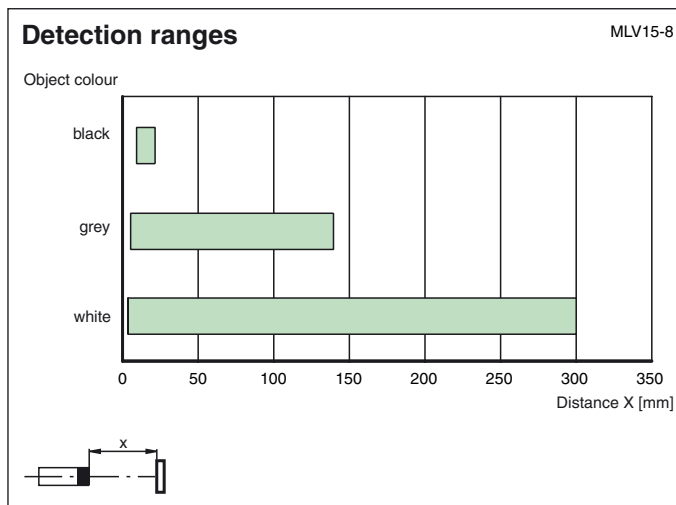
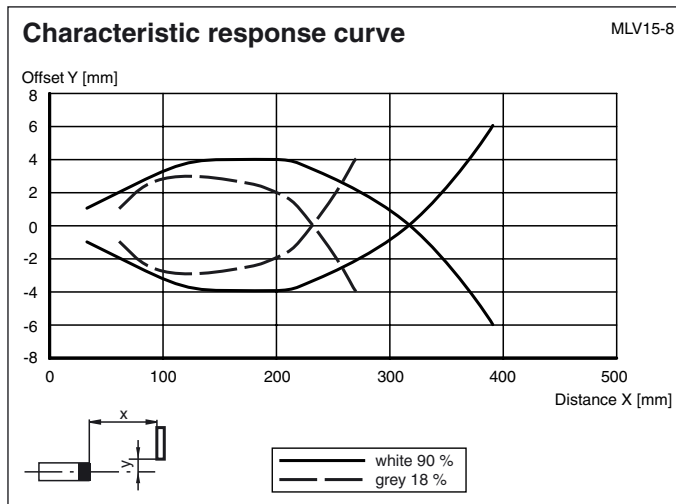
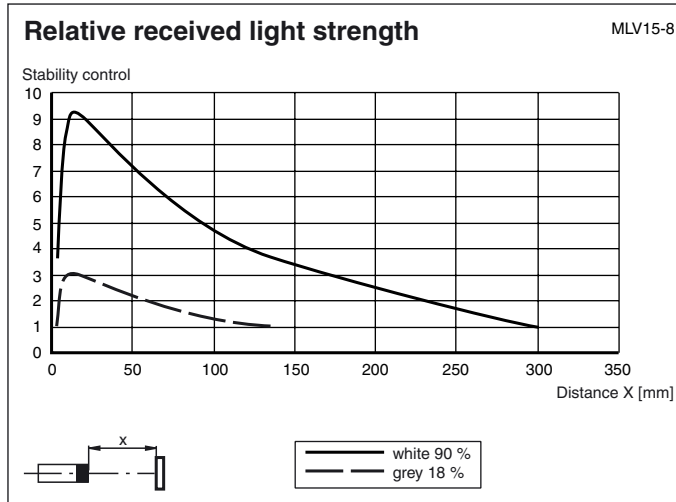
Protection degree	IP67
Connection	M8 connector, 4-pin
Material	
Housing	ABS
Optical face	plastic
Mass	15 g

Release date: 2005-05-04 12:32 Date of issue: 2005-07-04 419204_ENG.xml

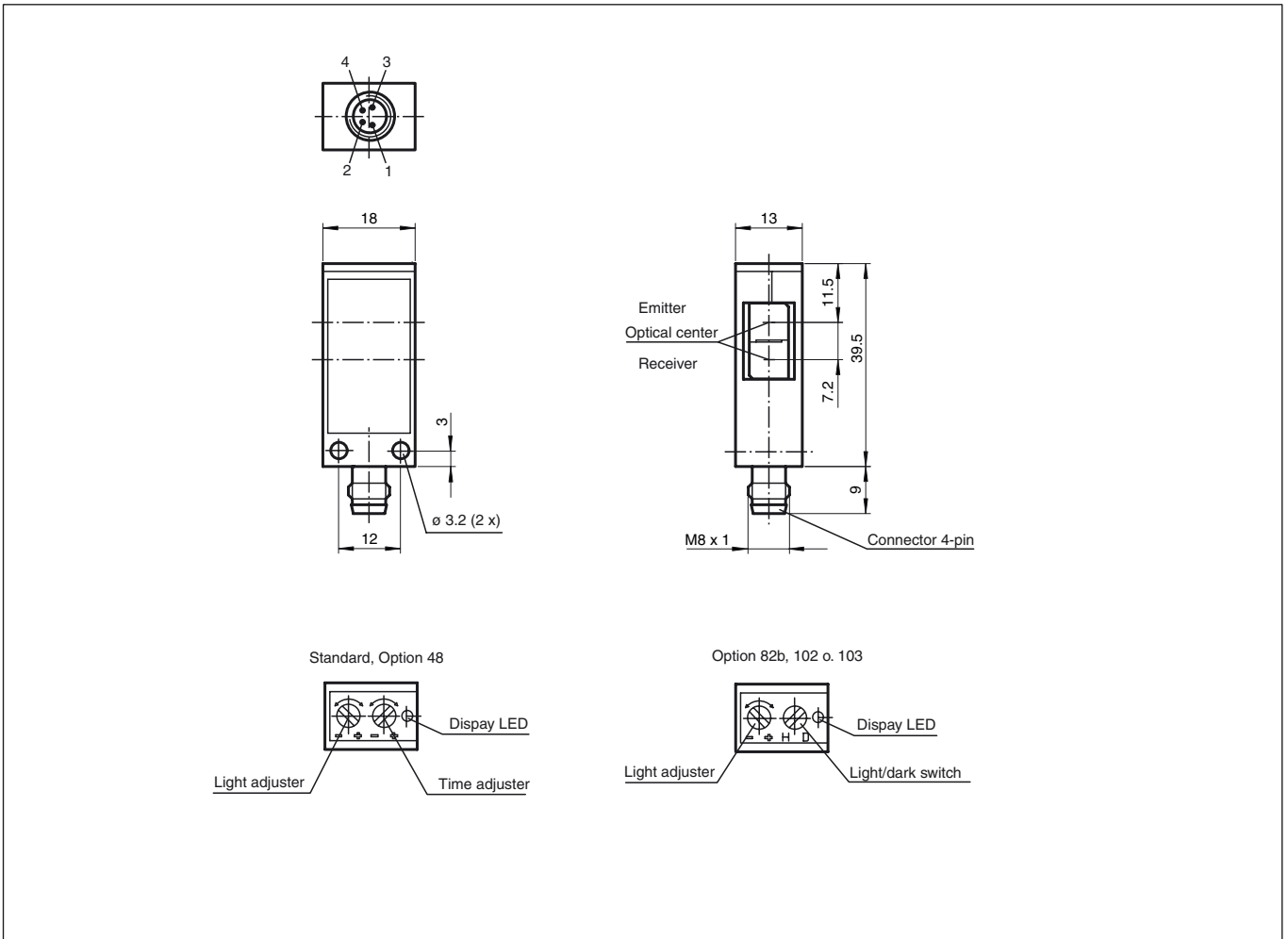


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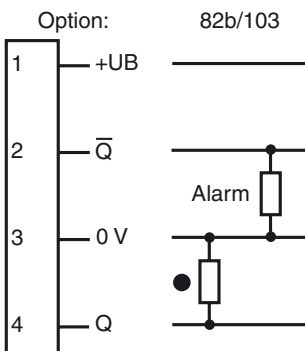
Curves/Diagrams



Dimensions



Electrical connection



○ = light on, ● = dark on

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