

MLV15-8-300/48/95

Reflection light scanner

# MLV15-8-300/48/95

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	Time adjuster : GAB, adjustment range 0 ... 10 s

**Electrical specifications**

Operating voltage	10 ... 30 V DC
Ripple	10 %
No-load supply current I <sub>0</sub>	25 mA

**Output**

Switching type	light/dark switching
Signal output	2 npn antivalent, short-circuit proof, protected against reverse polarity
Switching voltage	max. 30 V DC
Switching current	max. 200 mA
Switching frequency f	1000 Hz
Response time	0.5 ms
Timer function	Output 1: off-delay; output 2: energising delay; adjustment range 0 ... 10 s

**Standard conformity**

Standards	EN 60947-5-2
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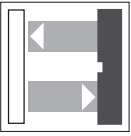
**Ambient conditions**

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

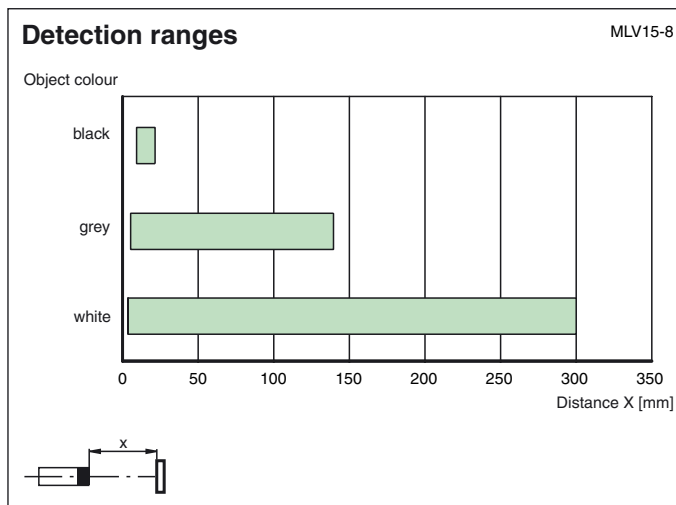
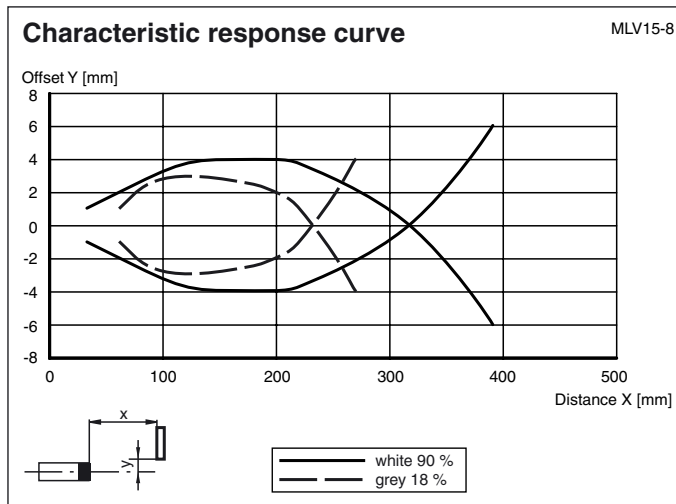
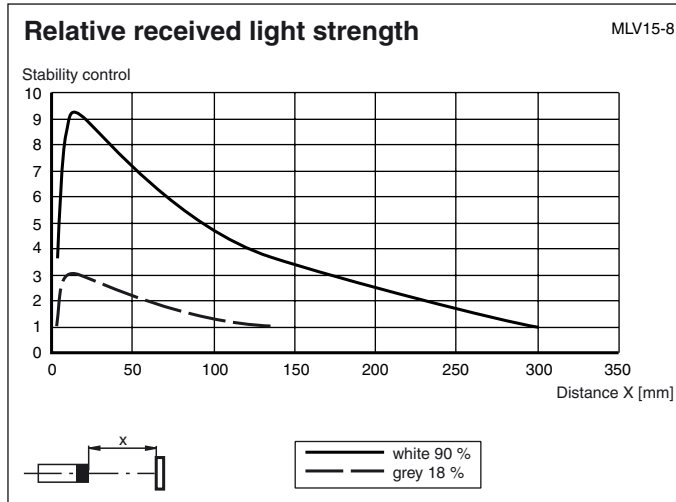
**Mechanical specifications**

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

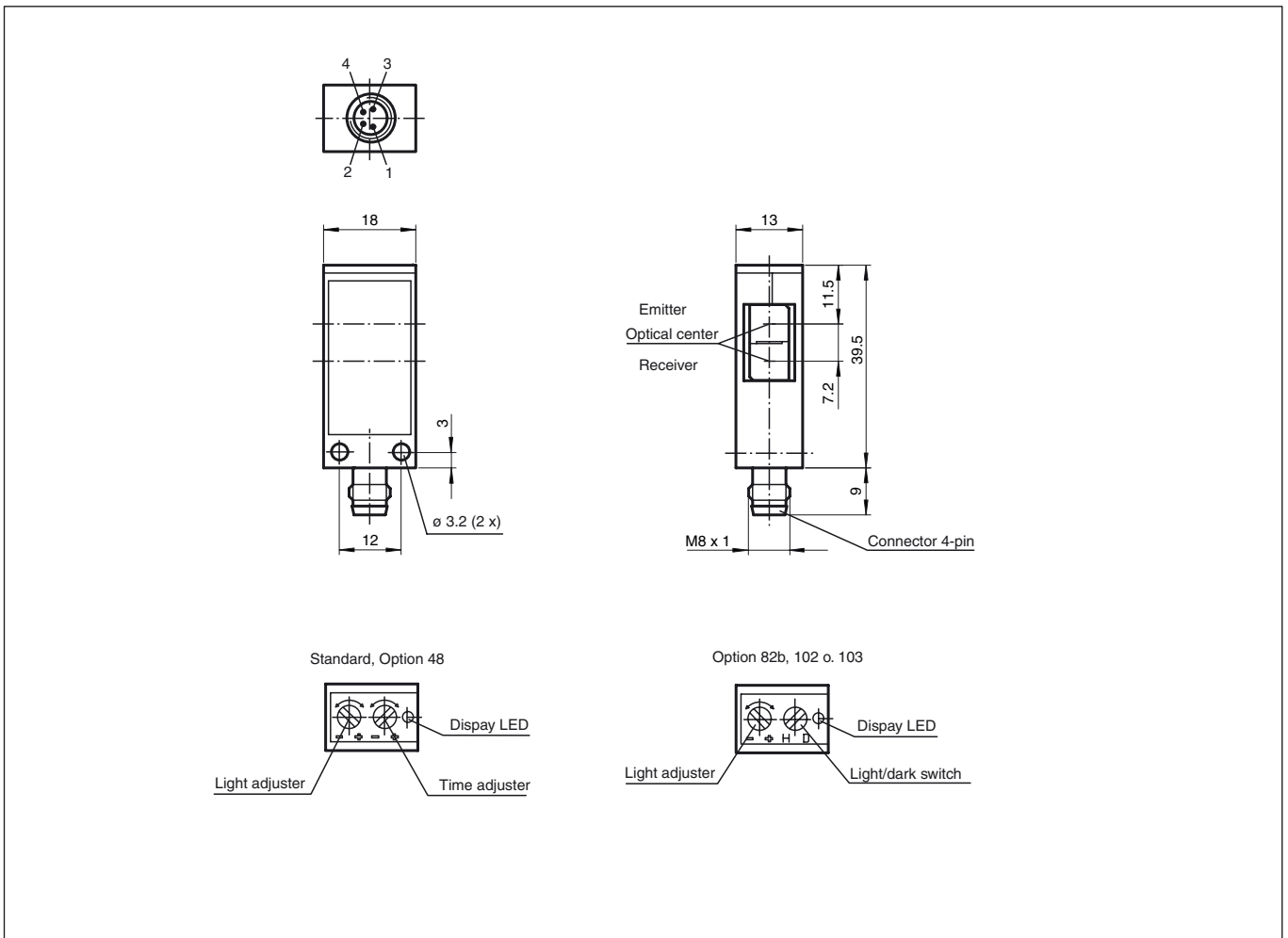
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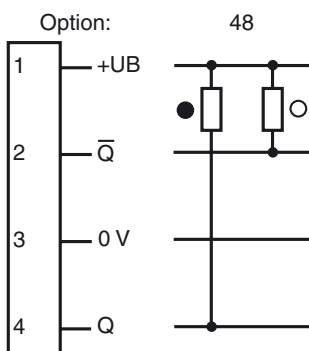
Curves/Diagrams



Dimensions



Electrical connection



○ = light on, ● = dark on

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