

MLV15-8-300/47/95

Reflection light scanner

MLV15-8-300/47/95

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 ₀	25 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	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
-----------	--------------

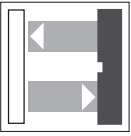
Ambient conditions

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

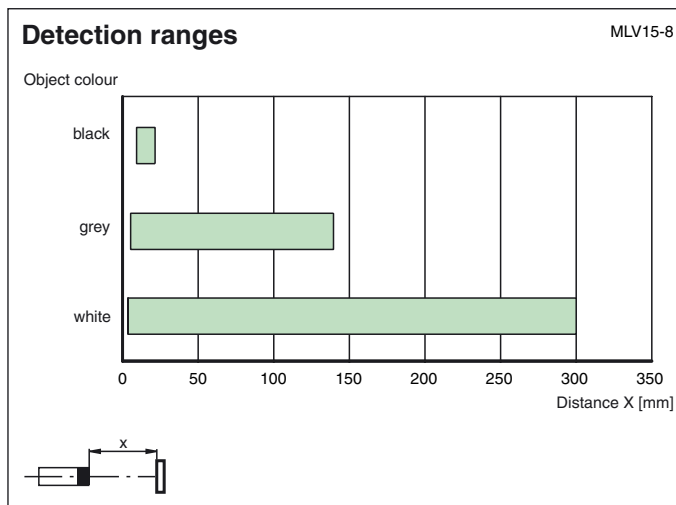
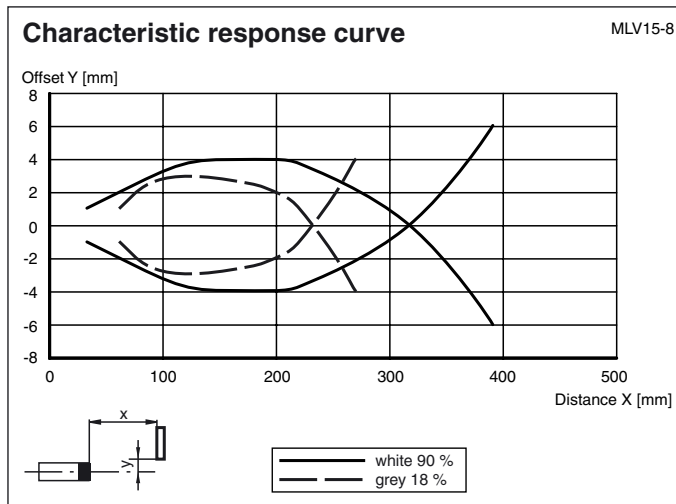
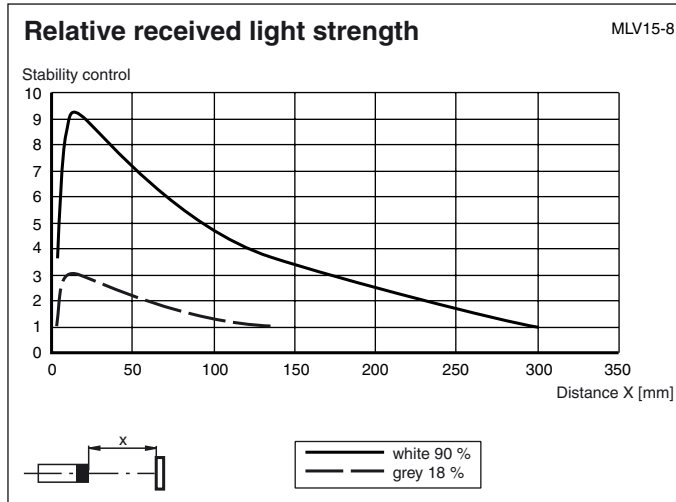
Mechanical specifications

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

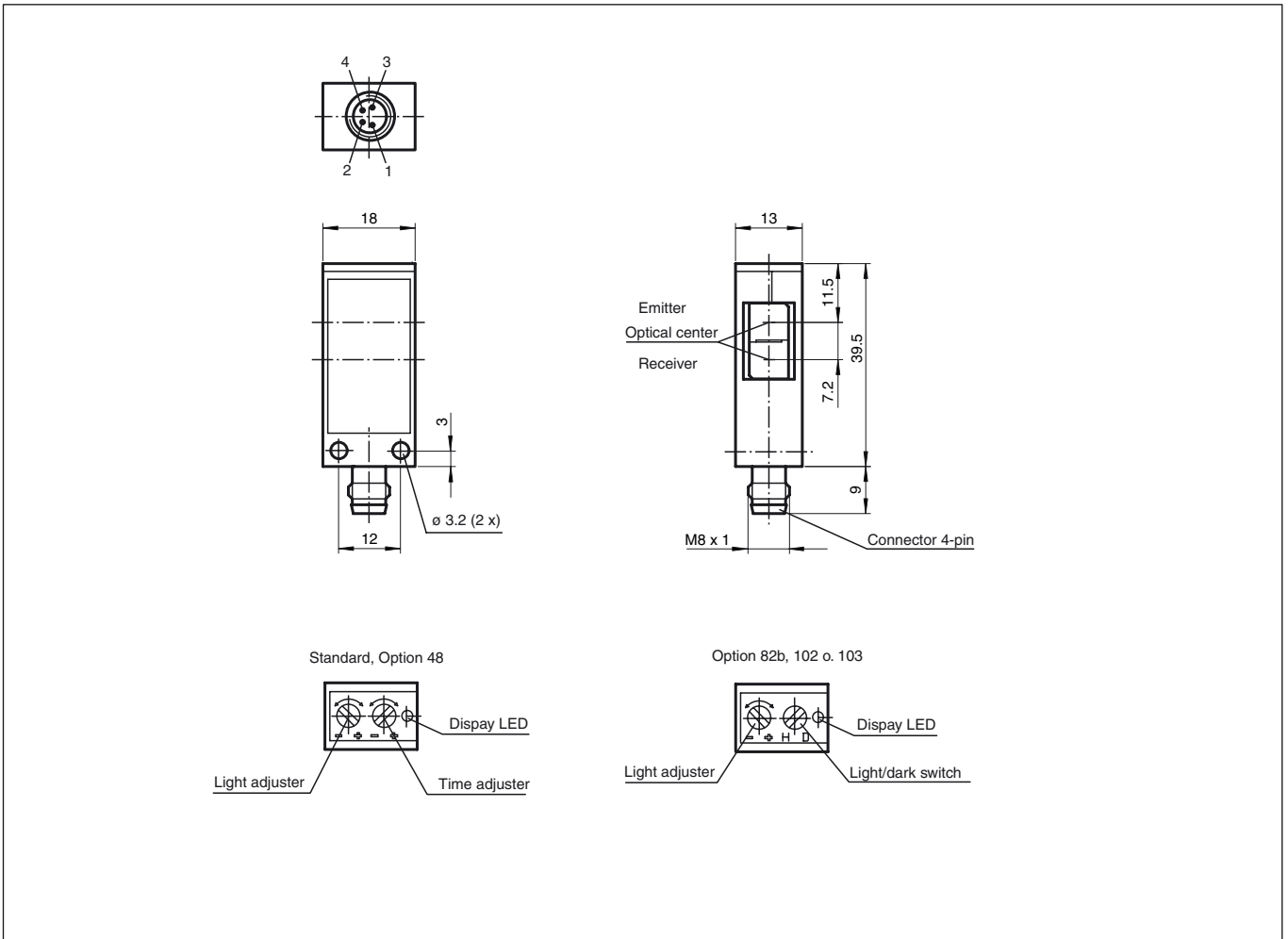
Release date: 2005-05-04 12:32 Date of issue: 2005-07-04 419203_ENG.xml



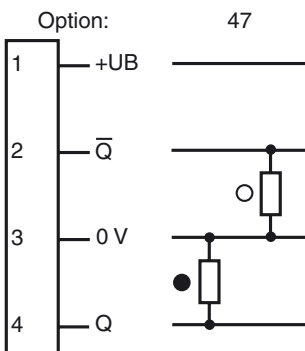
Curves/Diagrams



Dimensions



Electrical connection



○ = light on, ● = dark on

Release date: 2005-05-04 12:32 Date of issue: 2005-07-04 419203_ENG.xml