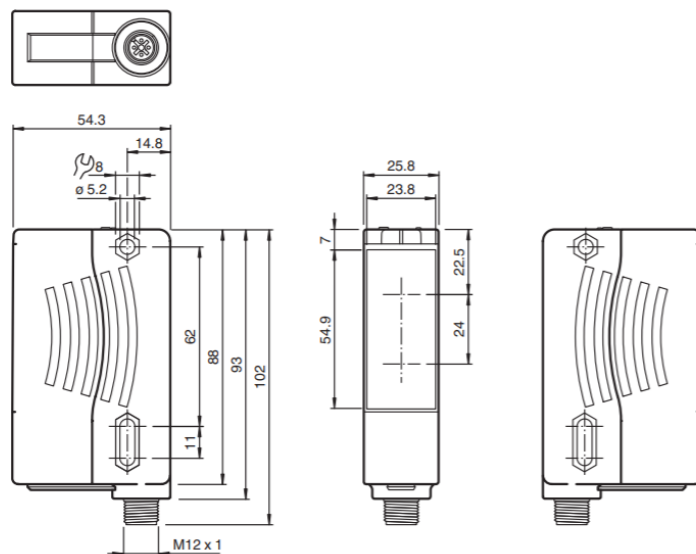




- 1: setting pushbuttons
- 2: 3-digit alphanumeric display
- 3: When a M5 mounting screw is used, the max. tightening torque is 2 Nm.



Product characteristics

Photoelectric distance sensor

Connector

Background suppression

Visible laser light, CLASS 2 LASER PRODUCT

3-digit alphanumeric display [cm]

adjustable

Measuring range 0.03...8m

Background suppression ...20 m

Electrical data

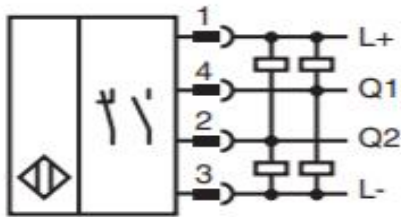
Electrical design	PNP/NPN
Operating voltage [V]	10...30 DC; "supply class 2" to cULus.
Current consumption [mA]	75 (24 V)
Life expectancy typ. [h]	50000
Type of light	Red light 650 nm
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	2 switching outputs
Current rating [mA]	2 x 100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	11

Range

Background suppression	...20 m
Light spot diameter [mm]	< 5 (Range 2 m)
Hysteresis [%]	< 2.5; black (6 % remission) at max. range



Measuring / setting range		
Measuring range	[m]	0.03...8m
Sampling rate	[Hz]	33
Interfaces		
IO-Link device		
Transfer type		COM2 (38.4 kBaud)
IO-Link revision		without
SDCI standard		IEC 61131-9
IO-Link device ID		372d / 00 01 74h
Profiles		Smart Sensor: Sensor Identification; Binary Data Channel; Process Value; Sensor Diagnosis
SIO mode		yes
Process data analogue		1
Process data binary		1
Min. process cycle time	[ms]	6.6
Environment		
Immunity to extraneous light	[klx]	10; on the object
Ambient temperature	[°C]	-25...60, at ta < -10 °C warm-up is necessary, laser is off
Protection		IP 65 / IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	151
Mechanical data		
Housing materials		housing: PA; bezel: high-grade stainless steel; operator interface: TPU; lens: PMMA
Weight	[kg]	0.075
Displays / operating elements		
Display		Switching status LED yellow switching output pin 4 Operation LED green Display 3-digit alphanumeric display
Display unit		cm
Electrical connection		
Connection		M12 connector
Wiring		