

M-LAS Series

▶ M-CON8 Electronic control unit

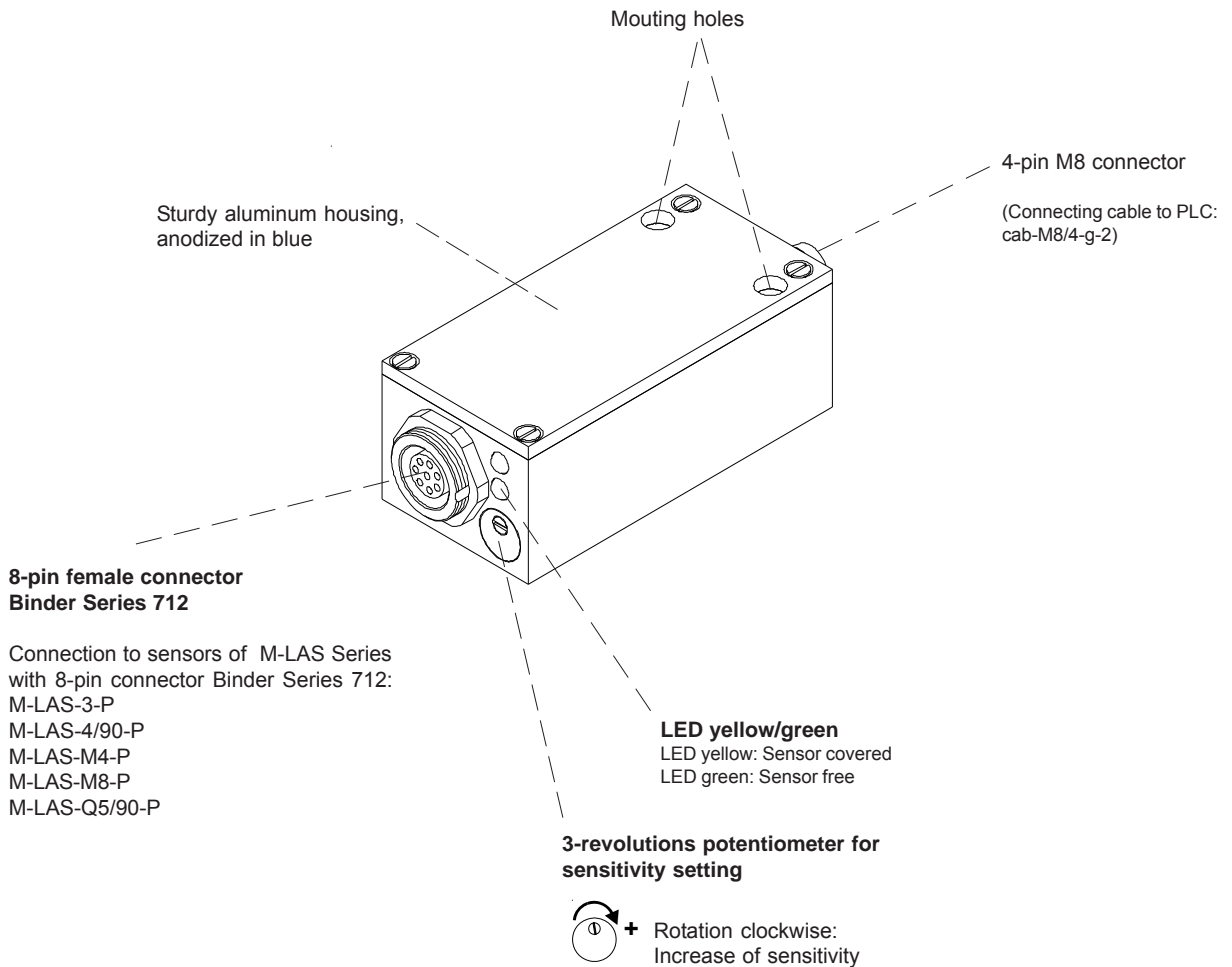
- For control of M-LAS sensors
- 2 digital outputs (Q and Qinv)
- High precise triggering in μm range
- Switching state indication by means of a bicolor-LED
- Potentiometer for sensitivity setting
- Switching frequency typ. 10 kHz
- Sturdy aluminum housing
- 4-pin M8 connector (connection to PLC)



Design

Product name:

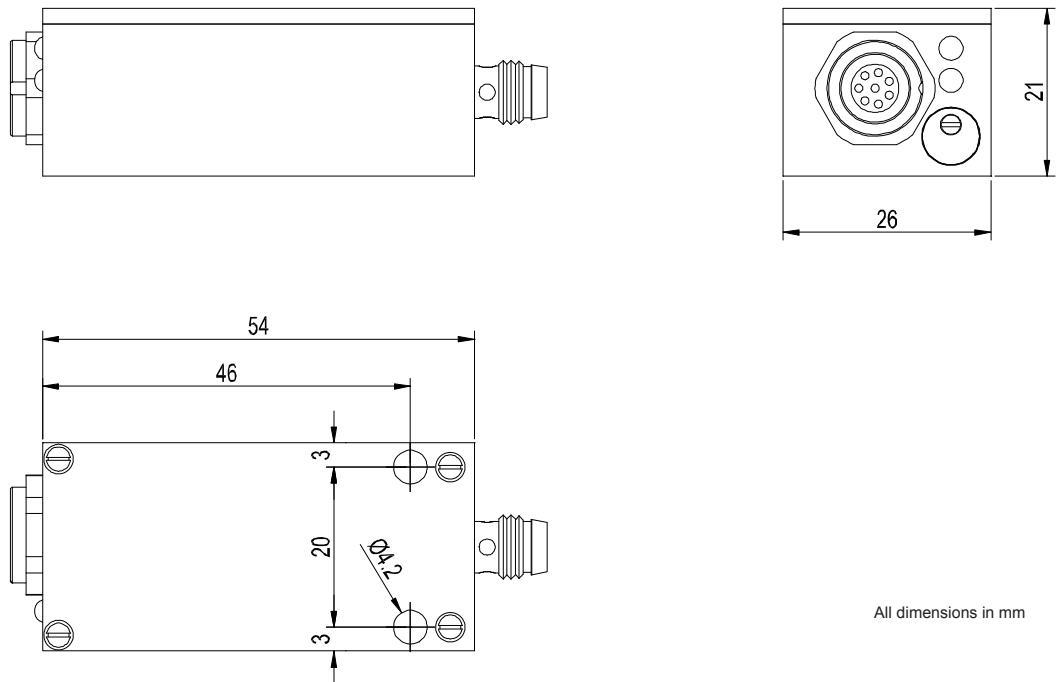
M-CON8



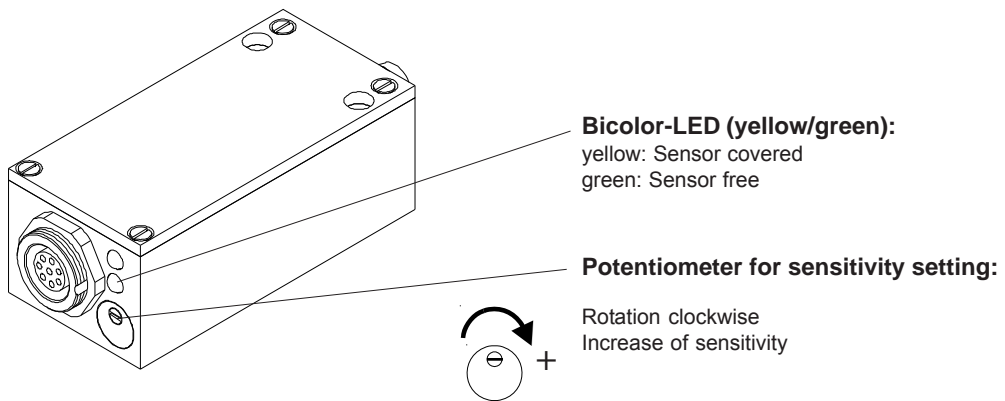

Technical Data

Model	M-CON8
Voltage supply	+12VDC ... +32VDC Ripple 10% max.
Current consumption	with M-LAS sensor: typ. 80 mA
Operating temperature range	-20°C ... +60°C
Storage temperature range	-20°C ... +85°C
Triggering accuracy	typ. < 1 µm
Min. detectable object	starting from 10 µm
Housing	Aluminum, anodized in blue, dimensions: approx. 54 mm x 26 mm x 21 mm (without connector)
Enclosure rating	IP 64
Output DIGITAL	Pin 2: Qinv: NPN bright-switching (NPN n.c.) / PNP dark-switching (PNP n.o) Pin 4: Q: PNP bright-switching (PNP n.c.) / NPN dark-switching (NPN n.o.)
Potentiometer for sensitivity setting (gain factor)	3-revolutions potentiometer integrated in the M-CON8 housing
Switching state indication	LED yellow/green (yellow = sensor covered, green = sensor free)
Type of connector	Connection to PLC: 4-pole M8 connector Connection to M-LAS sensor: 8-pole connector Binder Series 712
Modulation frequency	typ. 100 kHz
Switching frequency	typ. 10 kHz
Max. switching current	200 mA, overcurrent-protected
EMC test acc. to	DIN EN 60947-5-2

Dimensions



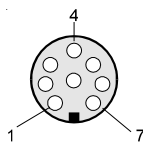
Setting



Connector Assignment

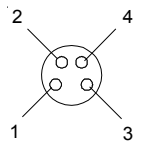
8-pin female connector Binder Series 712
(to M-LAS-...-P sensor):

Pin No.:	Assignment:
1	n.c.
2	n.c.
3	n.c.
4	Receiver collector
5	n.c.
6	Receiver emitter
7	Transmitter anode
8	Transmitter cathode



4-pin M8 connector
(to PLC):

Pin No.:	Color:	Assignment:
1	brn	+Ub (+12VDC ... +30VDC)
2	wht	Output Q
3	blu	0V (GND)
4	blk	Output Qinrv



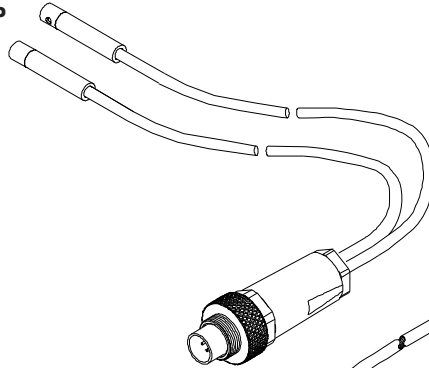
Connecting cable to PLC:
cab-M8/4-g-2 (l = 2m) or
cab-M8/4-g-5 (l = 5m)



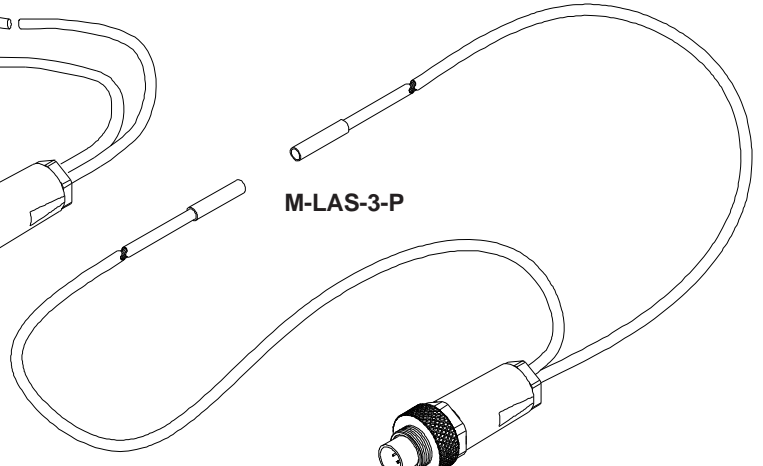
Laser Light Barriers

Sensor frontends (laser light barriers)
suitable for operation with M-CON8 electronic control unit

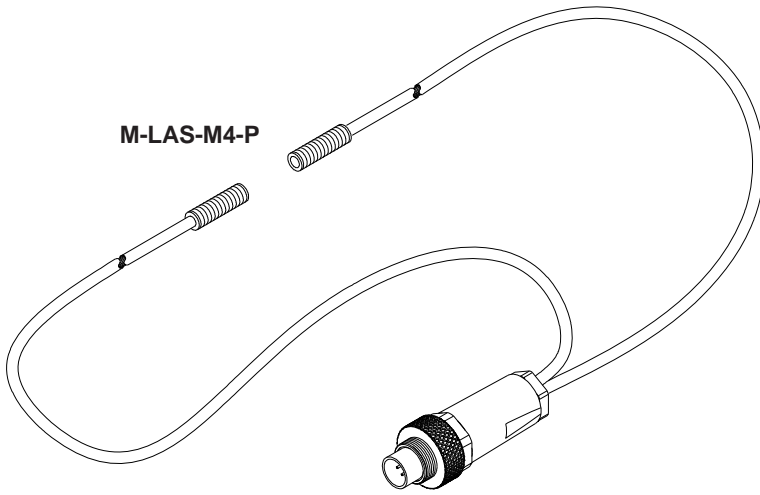
M-LAS-4/90-P



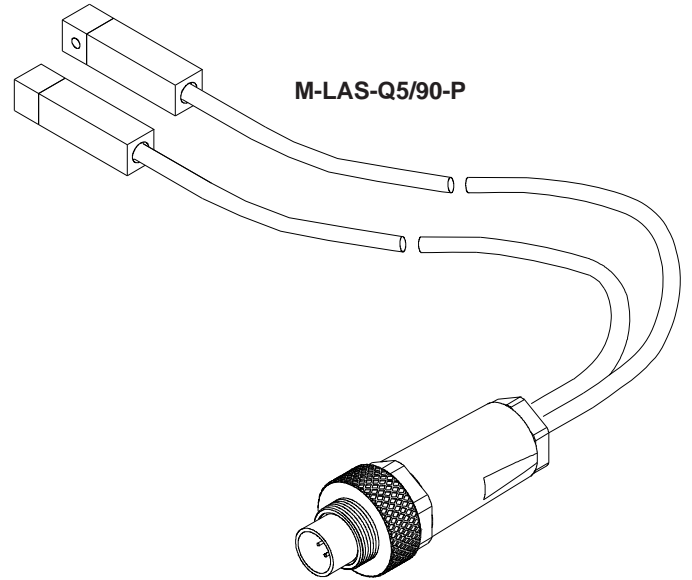
M-LAS-3-P



M-LAS-M4-P



M-LAS-Q5/90-P



M-LAS-M8-P

