

LIGHT CURTAINS TYPE 4



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Necessary

Preferences

Statistics

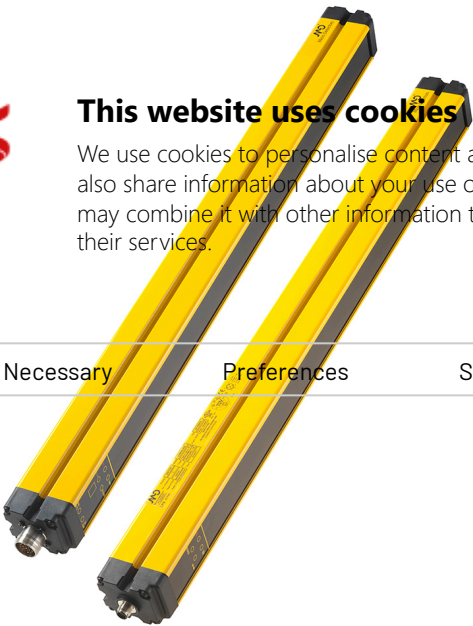
Marketing

Show details

Deny

Allow selection

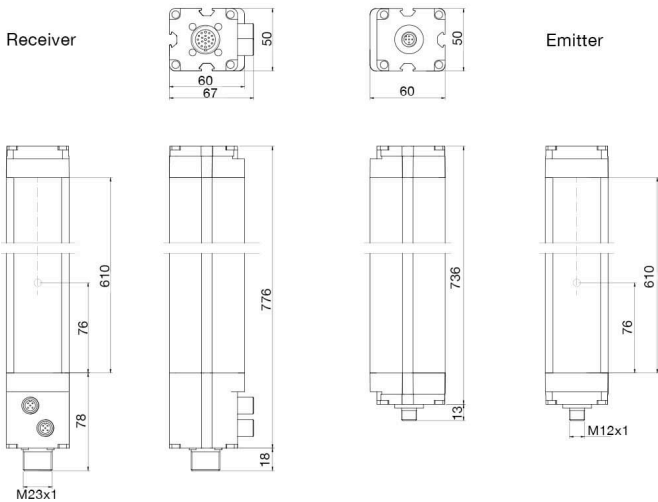
Allow all



Indicative image



- Type 4 according IEC 61496-1 and IEC 61496-2
- Robust housing (50x60 mm) for applications in presence of heavy shocks and vibrations
- 40 mm resolution for hand protection and 2,3,4 beams for body protection/access control
- Operating distance up to 16 m (standard version) and up to 60 m (LONG RANGE version)
- Integrated functions: MANUAL/AUTOMATIC Restart, EDM and operating distance selectable
- Standard M12 5 poles connector on TX unit and M12 8 poles or M23 9 poles on RX unit



Detection properties

Nominal sensing distance	8...30 / 18...60 m
Resolution	500mm
controlled height	500mm

number of rays	2
Effective Aperture Angle	≤ ±2,5°

Application

Function Principle	Emitter + Receiver
Available functions	Manual/Automatic Restart, EDM, System Status
Description	Big for harsh environment
Functions	Body protection 2 beams

Safety parameters

Type	Type 4 safety light curtain (A/M)
SIL	3
SILCL	3
PL	e
PFHd	7,53E-09
Dcavg	100 years
MTTFd	
CFF	



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Deny

Allow selection

Allow all

Outputs

Output type	Necessary	Preferences	2 x PNP NO (OSSD safety output with EDM)	Statistics	Marketing	Show details
Response time			7 ms			

Electrical data

Operating Voltage	24 Vdc ± 20%
Load current	≤ 500mA each output
Time delay before availability	15s
Interference to external light	According to IEC 61496-2
Power Consumption - Receiver	6W
Power Consumption - Emitter	3W
Equivalent Resistive Load	≥ 48 Ω
Capacitive Load	≥ 2 µF
Cabel Length (Power Supply/Output)	100m

Mechanical data

Dimensions	50mm (front) x 60mm
Connections	M12-5 poles (emitter) M23-19 poles (receiver)
Operating temperature	0°C...+55°C
Storage temperature	-25...+ 70°C
humidity	95% (no condensation)
Vibrations	Width 0.35 mm, frequency 10 ... 55Hz; 20 sweep per axis, 1octave/min (EN 60068-2-6)
Shocks	16 ms (10 G) 1,000 shocks per axis (EN 60068-2-29)

Test/Approvals

Approvals	CE, cULus, TÜV
EMC compatibility	According to 2014/30/EU Directive
Shocks and vibrations	According to IEC 61496-1
Degree of protection	IP65

Accessories

Supplied Accessories

ST 202, ST 203

Generical Data

Dimensions

50x60x736 mm

Operating Temperature

0...+55°C

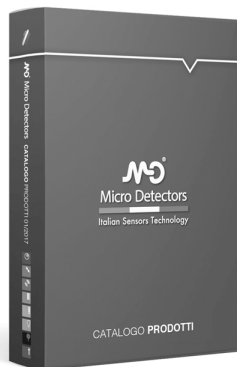
Humidity

95% (no condensation)

Mechanical Protection

IP65

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



For the wiring diagram,
consult the catalogue
or manual.

Datasensing S.r.l.

Strada S.Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@datasensing.com

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