

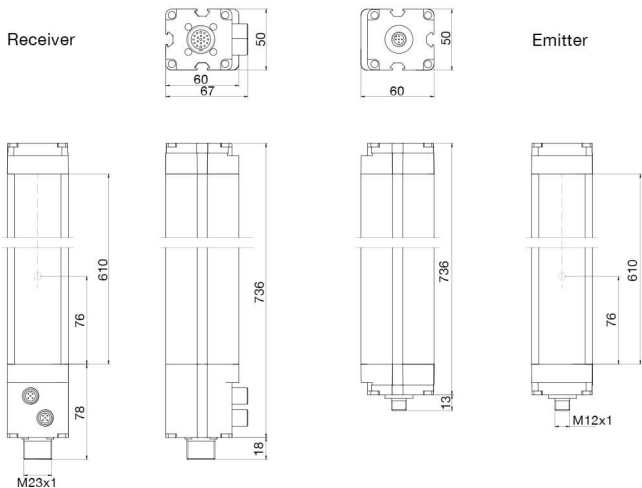


Indicative image



LIGHT CURTAINS TYPE 4

- 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	≤ 16m
Resolution	90mm
controlled height	610mm
number of rays	9
Effective Aperture Angle	≤ ±2,5°

Application

Function Principle	Emitter + Receiver
Available functions	Manual/Automatic Restart, EDM, System Status, Muting 4 Sensors

Safety parameters

Type	4
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SIL	3
SILCL	3
PL	e
PFHd	1,01E-08
Dcavg	98,36%
MTTFd	100
CFF	80%

Outputs

Output type	2 x PNP-NO (OSSD safety output)
Response time	9ms

Electrical data

Operating Voltage	19,2 ... 28,8 Vcc
Load current	500mA
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) 2 x M12-5 poles (muting)
Operating temperature	0°C...+55°C
Storage temperature	-25°C...+70°C
humidity	95% (no condensation)

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
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Generical Data

Dimensions	50mm (front) x 60mm
Operating Temperature	0°C...+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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