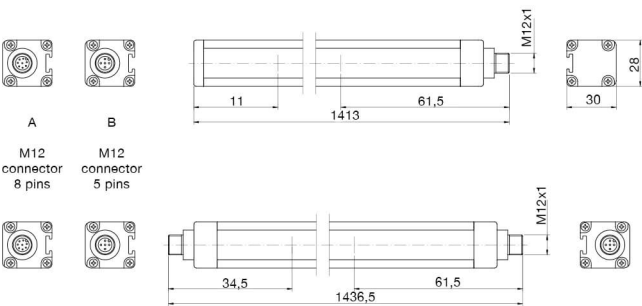




Indicative image



- LIGHT CURTAINS TYPE 4 ACCORDING TO IEC 61496-1 AND IEC 61496-2**
- Compact housing (28 x 30 mm) and no dead zone on cap side
  - Resolution 14 mm for finger protection, 20, 30 , 40 mm for hand protection, 50, 90 mm for presence control and 2, 3, 4 beams for body protection/access control
  - Controlled distance up to: 3, 4, 6, 10, 12 m
  - Base, Standard versions and Master, Slave version to connect up to 3 sets in cascade configuration
  - Selectable Automatic/Manual Restart and EDM integrated functions (Standard models)
  - Selectable controlled distance
  - IP69K protection models (LS4\_K) and models with integrated heating system to reach -25°C operating temperature (LS4\_H)
  - Standard M12 da 5 and 8 poles connectors



**Detection properties**

Nominal sensing distance	≤ 12m
Resolution	40mm
controlled height	1360mm
number of rays	46
Effective Aperture Angle	±5°

**Application**

Function Principle	Emitter + Receiver
--------------------	--------------------

Available functions	Manual/Automatic Restart, EDM
---------------------	-------------------------------

#### Safety parameters

Type	4
SIL	3
SILCL	3
PL	e
PFHd	1,38E-08
Dcavg	97,50%
MTTFd	100
CFF	80%

#### Outputs

Output type	2 x PNP-NO (OSSD safety output)
Response time	12,5ms

#### Electrical data

Operating Voltage	19,2 ... 28,8 Vcc
Load current	≤ 400mA
Time delay before availability	2s
Interference to external light	according to IEC 61496-2
Power Consumption - Receiver	2W (no load)
Power Consumption - Emitter	1W
Equivalent Resistive Load	≥ 60 Ω
Capacitive Load	≥ 0,82 µF
Cabel Length (Power Supply/Output)	≤ 100m
Cable Length for Master Slave Interconnections	≤ 50m

#### Mechanical data

Dimensions	28mm (front) x 30mm
Connections	M12-5 poles (emitter) M12-8 poles (receiver)
Operating temperature	-10°C ÷ +55°C (no condensation)
Storage temperature	-25°C ÷ +70°C (no condensation)
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, IP67

Accessories

Supplied Accessories	ST 204 6S
Generical Data	
Dimensions	28mm (front)x 30mm
Operating Temperature	-10°C ÷ +55°C (no condensation)
Humidity	95% (no condensation)
Mechanical Protection	IP65, IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



---

**Datasensing S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail [info@datasensing.com](mailto:info@datasensing.com)

**date of printing**

29/04/2022 18:16:28