



### Main

Range of product	Preventa Safety detection
Product or component type	Safety light curtain type 4
Device short name	XUSL4M
Output type	2 safety outputs OSSD solid-state PNP (arc suppression)
Product specific application	For hand protection
[R] Resolution	30 Mm
[Sn] nominal sensing distance	0...12 M by cabling 0...4 M by cabling
[Hp] Height protected	1060 Mm
Number of beams	53
Space between beams	30 Mm
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

### Complementary

Detection system	Transmitter-receiver system
Response time	16 ms
Kit composition	Adjustable mounting bracket(s) 1 receiver 1 transmitter 1 user guide with certificate of conformity on CD-ROM
[EAA] effective aperture angle	2.5 ° at 3 m
Emission	IR LED 950 nm
[Us] rated supply voltage	24 V DC +/- 20 %
Supply	Power supply conforming to IEC 61496-1 Power supply conforming to IEC 60204-1
[Ie] rated operational current	2 A
Current consumption	35 mA no-load transmitter 85 mA no-load receiver 900 mA with maximum load receiver
Output current limits	0.4 A for safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Maximum voltage drop	<0.5 V
Local signalling	1 multi-colour LED transmitter 10 dual colour LEDs receiver
Electrical connection	1 male connector M12 5 pins transmitter 2 female connectors M12 5 pins transmitter 1 male connector M12 12 pins receiver 3 female connectors M12 5 pins receiver
Function available	Test Muting LED display of operating modes and faults
Material	Aluminium: casing Polycarbonate: front panel Polypropylene: end caps
Housing colour	Red RAL 3000

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Fixing mode	By fixing brackets
Net weight	5.7 Kg
Offer type	Standard distance

## Environment

Directives	89/655/EEC - work equipment 2002/96/EC - WEEE directive 2011/65/EU - RoHS directive 98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility
Product certifications	TÜV CE CULus
Safety level (correctly wired)	Type 4 conforming to IEC 61496-1 SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 Category 4 conforming to EN/ISO 13849-1 PL = e conforming to EN/ISO 13849-1
Optical characteristic	Resistance to light disturbance conforming to EN/IEC 61496-2
Safety reliability data	PFHd = 2.39E-8 1/h conforming to IEC 61508
Ambient air temperature for operation	-30...55 °C -22...131 °F
Ambient air temperature for storage	-30...70 °C -22...158 °F
Relative humidity	0...95 % without condensation
IP degree of protection	IP65 IP67
Shock resistance	10 gn for 16 ms conforming to IEC 61496-1
Vibration resistance	0.35 +/- 0.05 mm (f= 10...55 Hz) conforming to IEC 61496-1

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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Dimensions

mm  
in.

