



## Main

Range of product	Preventa Safety detection
Product or component type	Safety light curtain type 4
Output type	2 safety outputs OSSD solid-state PNP (integrated arc suppression)
Product specific application	For hand protection
[R] Resolution	40 mm
[Sn] nominal sensing distance	0...12 m by cabling 0...4 m by cabling
[Hp] Height protected	1360 mm
Number of beams	46
Space between beams	40 mm
Type of start / restart	Automatic Manual
External Device Monitoring (EDM)	Selected by wiring

## Complementary

Detection system	Transmitter-receiver system
Response time	14.5 ms
Kit composition	Adjustable mounting bracket(s) 1 user guide with certificate of conformity on CD-ROM 1 receiver 1 transmitter
[EAA] effective aperture angle	+/- 2.5 ° at 3 m
Emission	IR LED ( $\lambda = 950 \text{ nm}$ )
[Us] rated supply voltage	24 V DC (+/- 20 %)
Supply	Power supply must meet requirements of IEC 61496-1 Power supply must meet requirements of IEC 60204-1
[Ie] rated operational current	2 A
Current consumption	900 mA with maximum load (receiver) 35 mA no-load (transmitter) 85 mA no-load (receiver)
Output current limits	0.4 A for safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Voltage drop	$\leq 0.5 \text{ V}$

Local signalling	1 multi-colour LED (transmitter) 10 dual colour LEDs (receiver)
Electrical connection	2 female connectors M12 5 pins (transmitter) 1 male connector M12 12 pins (receiver) 3 female connectors M12 5 pins (receiver) 1 male connector M12 5 pins (transmitter)
Function available	LED display of operating modes and faults Muting Test
Material	Front panel : polycarbonate End caps : polypropylene Casing : aluminium
Housing colour	RAL 3000 : red
Fixing mode	By fixing brackets
Product weight	6.9 kg
Offer type	Standard distance

## Environment

Directives	89/336/EEC - electromagnetic compatibility 2002/96/EC - WEEE directive 98/37/EEC - machinery 89/655/EEC - work equipment 2011/65/EU - RoHS directive
Product certifications	CE cULus TÜV
Safety level (correctly wired)	SIL 3 conforming to IEC 61508 Type 4 conforming to IEC 61496-1 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 = 2.03E-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

## Contractual warranty

Warranty period	18 months
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