



Main

Range of product	Preventa Safety detection
Product or component type	Safety light curtain type 2
Device short name	XUSLN
Design	Compact slim
Detection system	Transmitter-receiver system
Product specific application	For hand protection
Height protected	450 mm
Minimum object diameter for detection	30 mm
[Sn] nominal sensing distance	0.3...15 m
Type of start	Manual
Response time	16 ms
Number of beams	21

Complementary

Kit composition	1 arc suppressor set(s) 1 receiver(s) 1 transmitter(s) 1 test rod(s) 1 user guide with certificate of conformity 2 sets of 2 brackets with fixings
[EAA] effective aperture angle	5 ° at 3 m
Light source	GaAIAs LED, 880 nm
[Us] rated supply voltage	24 V DC (+/- 20 %)
[Ie] rated operational current	2 A
Current consumption	50 mA (transmitter) 90 mA no-load (receiver) 1.09 A with maximum load (receiver)
Output type	1 alarm output PNP 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection)
Output current limits	<= 500 mA
Output voltage	24 V
Output circuit type	DC
Local signalling	2 LEDs (transmitter), function: power supply, diagnostic 4 LEDs (receiver), function: stop, run, top alignment, bottom alignment

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical connection	1 male connector M12 4 pins (transmitter) 1 male connector M12 5 pins (receiver)
Function available	Alignment aid using 2 LEDs LED display of operating modes Monitoring of external switching devices EDM/MPCE Muting possible with external module XPSCM1150
Marking	CE
Material	Casing : aluminium End caps : 30 % fibre glass impregnated nylon Front face : acrylic
Fixing mode	End brackets
Product weight	3.2 kg

Environment

Standards	IEC 61496-1 IEC 61496-2 (type 2 ESPE) Machinery directive 2006/42/EC EMC 2004/108/EC Work equipment directive 2009/104/EC
Product certifications	CSA TÜV UL
Safety level	Type 2 conforming to IEC 61496-1-2 Can reach category 2 conforming to EN/ISO 13849-1 (correctly wired) Can reach PL = c conforming to EN/ISO 13849-1 (correctly wired)
Safety reliability data	PFH = 2.29E-7 1/h conforming to IEC 61508 (verified in worst case conf: 6 beams), proof test interval = 100 yr
Ambient air temperature for operation	0...55 °C
Ambient air temperature for storage	-25...75 °C
Relative humidity	0...95 % without condensation
IP degree of protection	IP65
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

RoHS (date code: YYWW)	Will be compliant on 3Q2013 Will be compliant on 3Q2013
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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XUSLNG5D0450 is replaced by:



Light curtains XUSL2E30H046N

XUSL type 2 Hand protection - Std sensing range - Hp = 460 mm, R=30mm

Qty 1

Reason for Substitution: End of life | Substitution date: 12 June 2014 | -