



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	300 mm
Minimum object diameter for detection	30 mm
[Sn] nominal sensing distance	0.3...15 m
Type of start	Manual
Response time	15 ms
Number of beams	14

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	2.9 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 Will be compliant
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
-----------------	-----------

XUSLNG5D0300 is replaced by:



Light curtains XUSL2E30H031N

XUSL type 2 Hand protection - Std sensing range - Hp = 310 mm, R=30mm

Qty 1

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