

XUSLNG5D0450

safety light curtain type 2 - XUSLN - height 450 mm - manual start



Main

Range of product	Telemecanique Safety light curtains XUSL
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
[Sn] nominal sensing distance	0.3...15 m
Minimum object diameter for detection	30 mm
Type of start	Manual
Response time	16 ms
Number of beams	21

Complementary

Kit composition	1 arc suppressor set(s) 1 receiver(s) 1 test rod(s) 1 transmitter(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	90 mA no-load receiver 1.09 A with maximum load receiver 50 mA transmitter
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 power supply, diagnostic 4 LEDs receiver stop, run, top alignment, bottom alignment
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	Aluminium: casing 30 % fibre glass impregnated nylon: end caps Acrylic: front face
Fixing mode	End brackets
Net weight	3.2 kg

Environment

Standards	Work equipment directive 2009/104/EC Machinery directive 2006/42/EC IEC 61496-1 IEC 61496-2 (type 2 ESPE) EMC 2004/108/EC
Product certifications	UL[RETURN]CSA[RETURN]TÜV
Safety level	Can reach category 2 correctly wired conforming to EN/ISO 13849-1 Can reach PL = c correctly wired conforming to EN/ISO 13849-1 Type 2 conforming to IEC 61496-1-2
Safety reliability data	PFH = 2.29E-7 1/h conforming to IEC 61508 verified in worst case conf: 6 beams 100 year(s)
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months
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