



Main

Range of product	Telemecanique Safety light curtains XUSL
Product or component type	Safety light curtain type 4
Device short name	XUSLP
Design	Compact
Detection system	Transmitter-receiver system
Product specific application	For body protection
[Sn] nominal sensing distance	0.8...20 M depending on configuration 0.8...70 m depending on configuration
Response time	< 16 ms light beam coding C < 20 ms light beam coding B < 24 ms light beam coding A
Number of beams	1
Type of receiver	Active

Complementary

Kit composition	1 receiver(s) 1 transmitter(s) 1 user guide with certificate of conformity 2 sets of 2 brackets with fixings
[EAA] effective aperture angle	2.5 ° at 3 m
Light source	GaAIAs LED, 850 nm
[Us] rated supply voltage	24 V DC +/- 20 %
[Ie] rated operational current	2 A
Current consumption	300 mA no-load receiver 1.6 A with maximum load receiver 100 mA transmitter
Output type	2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection) 1 auxiliary output solid-state PNP
Output current limits	100 mA for auxiliary output 650 mA for safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Switching capacity in mA	650 mA
Monitoring act of of relay MPCE/EDM	50 mA
Local signalling	1 LED transmitter power supply 3 LEDs receiver stop, run, interlock + 2 digit display
Electrical connection	Terminal block
Function available	Alignment aid by display of each light beam broken Auto, manual, manual 1st cycle Display of operating modes and alarm by LEDs and 2-digit display Monitoring of external switching devices Test
Marking	CE
Material	Aluminium: casing Acrylic: front face 20 % fibre glass impregnated nylon: end caps
Fixing mode	End brackets
Net weight	4.5 kg

Environment

Standards	EN/IEC 61496-1-2 for type 4 ESPE EN/IEC 61496-1 ANSI B11:19-1990 ANSI/RIA R15.06 EMC 2004/108/EC OSHA 1910-217C Work equipment directive 2009/104/EC Machinery directive 2006/42/EC EN/IEC 61496-2 OSHA 1910-212
Product certifications	CSA[RETURN]UL[RETURN]TÜV
Safety level	Can reach SIL 3 correctly wired conforming to IEC 61508 Can reach category 4 correctly wired conforming to EN/ISO 13849-1 Can reach PL = e correctly wired conforming to EN/ISO 13849-1 Type 4 conforming to IEC 61496-1-2
Safety reliability data	PFH = 2.7E-9 1/h conforming to IEC 61508 verified in worst case conf: 6 beams 20 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 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

Packing Units

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

Contractual warranty

Warranty	18 months
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