

XUSLPZ3A0500M

safety light curtain type 4 - XUSLP - height 500 mm - 3 beams



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
Height protected	1000 mm
[Sn] nominal sensing distance	0.8...20 M depending on configuration 0.8...70 m depending on configuration
Minimum object diameter for detection	500 mm
Response time	< 16 ms light beam coding C < 20 ms light beam coding B < 24 ms light beam coding A
Number of beams	3
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	1 male connector M12 5 pins transmitter 1 male connector M12 8 pins receiver
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	8.6 kg

Environment

Standards	OSHA 1910-217C Machinery directive 2006/42/EC ANSI/RIA R15.06 Work equipment directive 2009/104/EC EMC 2004/108/EC EN/IEC 61496-1-2 for type 4 ESPE EN/IEC 61496-2 OSHA 1910-212 EN/IEC 61496-1 ANSI B11:19-1990
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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