



Main

Range of product	Preventa Safety detection
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 depending on light beam coding C < 20 ms depending on light beam coding B < 24 ms depending on 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	GaAIA's LED, 850 nm
[Us] rated supply voltage	24 V DC (+/- 20 %)
[Ie] rated operational current	2 A
Current consumption	100 mA (transmitter) 300 mA no-load (receiver) 1.6 A with maximum load (receiver)
Output type	1 auxiliary output solid-state PNP 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection)
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

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

Local signalling	1 LED (transmitter), function: power supply 3 LEDs (receiver), function: 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	Casing : aluminium End caps : 20 % fibre glass impregnated nylon Front face : acrylic
Fixing mode	End brackets
Product weight	4.5 kg

Environment

Standards	ANSI B11:19-1990 ANSI/RIA R15.06 EN/IEC 61496-1 EN/IEC 61496-1-2 for type 4 ESPE EN/IEC 61496-2 OSHA 1910-212 OSHA 1910-217C ROHS directive 2002/95/EC Machinery directive 2006/42/EC EMC 2004/108/EC Work equipment directive 2009/104/EC
Product certifications	CSA TÜV UL
Safety level	Type 4 conforming to IEC 61496-1-2 Can reach SIL 3 conforming to IEC 61508 (correctly wired) Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired) Can reach PL = e conforming to EN/ISO 13849-1 (correctly wired)
Safety reliability data	PFH = 2.7E-9 1/h conforming to IEC 61508 (verified in worst case conf: 6 beams), proof test interval = 20 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 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

Offer Sustainability

RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
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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