



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
Height protected	1000 mm
[Sn] nominal sensing distance	0.8...70 m depending on configuration 0.8...20 m depending on configuration
Minimum object diameter for detection	500 mm
Response time	< 24 ms depending on light beam coding A < 20 ms depending on light beam coding B < 16 ms depending on light beam coding C
Number of beams	3
Type of receiver	Active

Complementary

Kit composition	2 sets of 2 brackets with fixings 1 user guide with certificate of conformity 1 transmitter(s) 1 receiver(s)
[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	100 mA (transmitter) 1.6 A with maximum load (receiver) 300 mA no-load (receiver)
Output type	1 auxiliary output solid-state PNP 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection)
Output current limits	<= 650 mA for safety outputs OSSD <= 100 mA for auxiliary output
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	3 LEDs (receiver), function: stop, run, interlock + 2 digit display 1 LED (transmitter), function: power supply
Electrical connection	Terminal block
Function available	Test Monitoring of external switching devices Display of operating modes and alarm by LEDs and 2-digit display Auto, manual, manual 1st cycle Alignment aid by display of each light beam broken
Marking	CE
Material	End caps : 20 % fibre glass impregnated nylon Front face : acrylic Casing : aluminium
Fixing mode	End brackets
Product weight	8.6 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 PL = e conforming to EN/ISO 13849-1 (correctly wired) Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired) Can reach SIL 3 conforming to IEC 61508 (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	<= 95 % without condensation
IP degree of protection	IP67 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

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0730 - Schneider Electric declaration of conformity
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual