



Main

Range of product	Preventa Safety detection
Series name	Advanced
Product or component type	Safety light curtain type 4
Device short name	XUSLDM
Output type	2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection) 1 auxiliary output solid-state PNP/NPN
Product specific application	For hand protection
Minimum object diameter for detection	30 mm
[Sn] nominal sensing distance	0.3...20 m 8 m with Programming and Diagnostic Module (PDM)
Height protected	520 mm
Number of beams	26

Complementary

Detection system	Transmitter-receiver system
Response time	38 ms slow 23 ms normal
Kit composition	Transmitter(S) Test rod(s) Receiver(S) Arc suppressor set(s) 2 sets of 2 brackets with fixings 1 user guide with certificate of conformity on CD-ROM
[EAA] effective aperture angle	2.5 ° 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	285 mA (transmitter) 1.8 A with maximum load (receiver) 450 mA no-load (receiver)
Output current limits	<= 625 A for safety outputs OSSD 100 mA for auxiliary output
Output voltage	24 V
Output circuit type	DC
Monitoring act of of relay MPCE/EDM	50 mA
Local signalling	4 LEDs (receiver), function: stop, run, interlock, ECS/B Blanking or FB (Floating Blanking) 1 LED (transmitter), function: power supply
Electrical connection	1 female connector M12 8 pins (receiver) 1 female connector M12 5 pins (transmitter)

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.

Function available	<p>Test (MTS: Monitoring Test Signal) accessible by cabling alone</p> <p>Start button (NO or NC, 0 V or 24 V) accessible via programming and diagnostic module</p> <p>Sensing distance (short, long) accessible via programming and diagnostic module</p> <p>Response time (normal, slow) accessible via programming and diagnostic module</p> <p>Reduction of resolution accessible via programming and diagnostic module</p> <p>Programming+Downloading of conf settings, via programming+diagnostic module(PDM) accessible via programming and diagnostic module</p> <p>Muting accessible via programming and diagnostic module</p> <p>Monitoring of external switching devices (EDM: External Device Monitoring) accessible via programming and diagnostic module</p> <p>Monitored blanking accessible via programming and diagnostic module</p> <p>Light beam coding (A or B) accessible via programming and diagnostic module</p> <p>LED display of operating modes and faults accessible by cabling alone</p> <p>Floating blanking (FB) accessible via programming and diagnostic module</p> <p>Display of operating modes and faults by LED and/or PDM accessible via programming and diagnostic module</p> <p>Cascadable versions with up to 4 segments total, using segments XUS LDS accessible via programming and diagnostic module</p> <p>Blanking (ECS/B) accessible via programming and diagnostic module</p> <p>Auxiliary output (PNP, status signalling) accessible by cabling alone</p> <p>Auxiliary output (alarm or status signalling, PNP or NPN) accessible via programming and diagnostic module</p> <p>Automatic/Manual, manual first cycle accessible via programming and diagnostic module</p> <p>Automatic start accessible by cabling alone</p> <p>Alignment aid by display of each light beam broken accessible by cabling alone</p>
Marking	CE
Material	<p>End caps : 20 % fibre glass impregnated nylon</p> <p>Casing : aluminium</p>
Fixing mode	End brackets
Product weight	2.87 kg

Environment

Standards	<p>ANSI B11:19-1990</p> <p>ANSI/RIA R15.06</p> <p>EN/IEC 61496-1</p> <p>EN/IEC 61496-1-2 for type 4 ESPE</p> <p>EN/IEC 61496-2</p> <p>OSHA 1910-212</p> <p>OSHA 1910-217C</p> <p>ROHS directive 2002/95/EC</p> <p>Machinery directive 2006/42/EC</p> <p>EMC 2004/108/EC</p> <p>Work equipment directive 2009/104/EC</p>
Product certifications	<p>CSA</p> <p>TÜV</p> <p>UL</p>
Safety level	<p>Type 4 conforming to IEC 61496-1-2</p> <p>Can reach PL = e conforming to EN/ISO 13849-1 (correctly wired)</p> <p>Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired)</p> <p>Can reach SIL 3 conforming to IEC 61508 (correctly wired)</p>
Safety reliability data	PFH = 4.9E-8 1/h conforming to IEC 61508 (verified in worst case conf: 256 beams, 2 segments, mute), proof test interval = 20 yr
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...75 °C
Relative humidity	<= 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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0806 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available Download End Of Life Manual