Product data sheet
Characteristics

XUSLDMQ6A0440
safety light curtain type 4 - XUSLDM - for finger protection - 440 mm

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 finger protection
Minimum object diameter for detection	14 mm
[Sn] nominal sensing distance	0.3...7 m 3 m with Programming and Diagnostic Module (PDM)
Height protected	440 mm
Number of beams	44

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	GaAlAs 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)

Function available	Test (MTS: Monitoring Test Signal) accessible by cabling alone Start button (NO or NC, 0 V or 24 V) accessible via programming and diagnostic module Sensing distance (short, long) accessible via programming and diagnostic module Response time (normal, slow) accessible via programming and diagnostic module Reduction of resolution accessible via programming and diagnostic module Programming+Downloading of conf settings, via programming+diagnostic module(PDM) accessible via programming and diagnostic module Muting accessible via programming and diagnostic module Monitoring of external switching devices (EDM: External Device Monitoring) accessible via programming and diagnostic module Monitored blanking accessible via programming and diagnostic module Light beam coding (A or B) accessible via programming and diagnostic module LED display of operating modes and faults accessible by cabling alone Floating blanking (FB) accessible via programming and diagnostic module Display of operating modes and faults by LED and/or PDM accessible via programming and diagnostic module Cascadable versions with up to 4 segments total, using segments XUS LDS accessible via programming and diagnostic module Blanking (ECS/B) accessible via programming and diagnostic module Auxiliary output (PNP, status signalling) accessible by cabling alone Auxiliary output (alarm or status signalling, PNP or NPN) accessible via programming and diagnostic module Automatic/Manual, manual first cycle accessible via programming and diagnostic module Automatic start accessible by cabling alone Alignment aid by display of each light beam broken accessible by cabling alone
Marking	CE
Material	End caps : 20 % fibre glass impregnated nylon Casing : aluminium
Fixing mode	End brackets
Product weight	2.5 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 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 = 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