



Main

Range of product	Preventa Safety detection
Series name	Basic
Product or component type	Safety light curtain type 4
Device short name	XUSLB
Output type	1 auxiliary output solid-state PNP 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection)
Product specific application	For hand protection
Minimum object diameter for detection	30 mm
[Sn] nominal sensing distance	8 m with Programming and Diagnostic Module (PDM) 0.3...20 m
Height protected	1720 mm
Number of beams	86

Complementary



Detection system	Transmitter-receiver system
Response time	32 ms
Kit composition	1 arc suppressor set(s) 1 receiver(s) 1 transmitter(s) 1 test rod(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) 450 mA no-load (receiver) 1.8 A with maximum load (receiver)
Output current limits	625 mA for safety outputs OSSD 100 mA for auxiliary output
Output voltage	24 V
Output circuit type	DC
Switching capacity in mA	50 mA

Local signalling	1 LED (transmitter), function: power supply 4 LEDs (receiver), function: stop, run, interlock, ECS/B Blanking or FB (Floating Blanking)
Electrical connection	1 female connector M12 5 pins (transmitter) 1 female connector M12 8 pins (receiver)
Function available	Alignment aid by display of each light beam broken accessible by cabling alone Auto/manual accessible via programming and diagnostic module Automatic start accessible by cabling alone Auxiliary output (PNP, status signalling) accessible by cabling alone Display of operating modes and faults by LED and/or PDM accessible via programming and diagnostic module LED display of operating modes and faults accessible by cabling alone Light beam coding (A or B) accessible via programming and diagnostic module Monitoring of external switching devices (EDM: External Device Monitoring) accessible via programming and diagnostic module Programming+downloading of conf settings, via programming+diagnostic module(PDM) accessible via programming and diagnostic module Sensing distance (short, long) accessible via programming and diagnostic module Test (MTS: Monitoring Test Signal) accessible by cabling alone
Marking	CE
Material	Casing : aluminium End caps : 20 % fibre glass impregnated nylon
Fixing mode	End brackets
Product weight	8.23 kg

Environment

Standards	EN/IEC 61496-1 EN/IEC 61496-1-2 for type 4 ESPE ANSI/RIA R15.06 EN/IEC 61496-2 Work equipment directive 2009/104/EC OSHA 1910-217C ANSI B11:19-1990 Machinery directive 2006/42/EC ROHS directive 2002/95/EC EMC 2004/108/EC OSHA 1910-212
Product certifications	TÜV CSA 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 = 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	0...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

RoHS (date code: YYWW)	Compliant  Schneider Electric declaration of conformity
Product environmental profile	Available  End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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XUSLBR5A1720 is replaced by:



Light curtains XUSL4E30H181N

XUSL type 4 - For hand protection - Std sensing range - Hp = 1810 mm, R=30mm

Qty 1

Reason for Substitution: End of life | Substitution date: 12 June 2014 | -
