



ⓘ Restricted Sales for Services

Commercial status

Discontinued: 31 March 2015

End-of-service: 31 March 2015

has not been replaced. Please contact your customer care center for more information.

Main

Range of product	Preventa Safety detection
Product or component type	Safety light curtains receiver type 4
Series name	Optimum
Device short name	XUSLB
Product compatibility	XUSLBR5A1920
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 PDM 0.3...20 m
Height protected	1920 mm
Number of beams	96

Complementary

Detection system	Transmitter-receiver system
Response time	32 ms
[EAA] effective aperture angle	2.5 ° at 3 m
[Us] rated supply voltage	24 V DC (+/- 20 %) against reverse polarity
[Ie] rated operational current	2 A
Current consumption	450 mA no-load 1.8 A with maximum load
Output current limits	100 mA for auxiliary output 625 mA for safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Monitoring act of of relay MPCE/EDM	50 mA
Local signalling	4 LEDs stop, run, interlock, ECS/B Blanking or FB (Floating Blanking)
Electrical connection	1 female connector M12, 8 pins
Marking	CE
Material	Aluminium: casing 20 % fibre glass impregnated nylon: end caps
Fixing mode	End brackets

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

Environment

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

Contractual warranty

Warranty	18 months
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