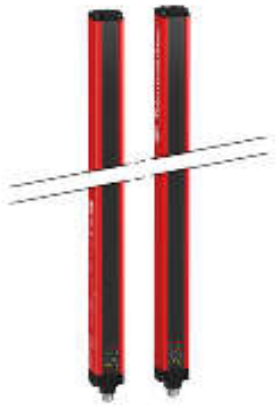
Product data sheet
Characteristics

XUSL2E30H181N
Safety light curtain type 2, Telemecanique Safety light curtains XUSL, XUSL Hand protection, Std sensing range, Hp = 1810 mm, R=30 mm



Main

Range of product	Telemecanique Safety light curtains XUSL
Product or component type	Safety light curtain type 2
Device short name	XUSL2E
Output type	2 safety outputs OSSD solid-state PNP (arc suppression)
Product specific application	For hand protection
Minimum object diameter for detection	30 Mm
[Sn] nominal sensing distance	0…12 M by cabling 0…4 M by cabling
Height protected	1810 Mm
Number of beams	91
Type of start	Automatic Manual
Control type	Selected by wiring

Complementary

Detection system	Transmitter-receiver system
Response time	22.5 ms
Kit composition	Adjustable mounting bracket(s) 1 receiver(s) 1 transmitter(s) 1 user guide with certificate of conformity on CD-ROM
[EAA] effective aperture angle	5 ° at 3 m
Emission	IR LED 950 nm
[Us] rated supply voltage	24 V DC +/- 20 %
Supply	Power supply conforming to IEC 61496-1 Power supply conforming to IEC 60204-1
[Ie] rated operational current	2 A
Current consumption	42 mA no-load transmitter 83 mA no-load receiver 42 mA transmitter 900 mA with maximum load receiver
Output current limits	0.4 A for safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Maximum voltage drop	<0.5 V

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.
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Local signalling	1 multi-colour LED transmitter 2 dual colour LEDs receiver
Electrical connection	1 male connector M12 5 pins transmitter 1 male connector M12 8 pins receiver
Function available	Test Muting through external safety module XPSLCMUT1160 LED display of operating modes and faults
Marking	CE
Material	Aluminium: casing Polycarbonate: front panel Polypropylene: end caps
Housing colour	Red RAL 3000
Fixing mode	By fixing brackets
Product weight	3.3 Kg
Offer type	Standard distance

Environment

Directives	89/655/EEC - work equipment 89/336/EEC - electromagnetic compatibility 98/37/EEC - machinery
Product certifications	CULus CE TÜV
Safety level	Type 2 conforming to IEC 61496-1 Category 2 conforming to EN/ISO 13849-1 SIL 1 conforming to IEC 61508 SILCL 1 conforming to IEC 62061 PL = c conforming to EN/ISO 13849-1
Environmental characteristic	Resistance to light disturbance conforming to EN/IEC 61496-2
Service life	20 Year(S)
Safety reliability data	PFHd = 8.98E-8 1/h conforming to IEC 61508
Ambient air temperature for operation	-10…55 °C -30…55 °C
Ambient air temperature for storage	-35…70 °C -25…70 °C
Relative humidity	0…95 % without condensation
IP degree of protection	IP65 IP67
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.5 Cm
Package 1 Width	19.5 Cm
Package 1 Length	194.0 Cm
Package 1 Weight	6.242 Kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Circularity Profile	End Of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and-Di-isodecyl phthalate (DIDP), which is known to the State of California to-cause birth defects or other reproductive harm. For more information go-to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Product Life Status : Commercialised