Product data sheet Characteristics

XUSL4E14F031NS1

Safety light curtain type 4, Telemecanique Safety light curtains XUSL, XUSL Slave1, For finger protection, Hp = 310 mm, R=14 mm



Main

Range of product	Telemecanique Safety light curtains XUSL
Product or component type	Safety light curtain type 4
Device short name	XUSL4E
Output type	2 safety outputs OSSD solid-state PNP (arc suppression)
Product specific application	For finger protection
[R] Resolution	14 mm
[Sn] nominal sensing distance	16 M by cabling 03 m by cabling
[Hp] Height protected	310 mm
Number of beams	30
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

Complementary

Detection system	Transmitter-receiver system	
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	2.5 ° 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	
[le] 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	
Local signalling	multi-colour LED transmitter 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	
Net weight	0.72 kg	

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 interest of and is not to be used for determining suitability or flushed products for specific user applications. It is the documentation is not 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 TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Offer type	Standard distance
Topology	Daisy chain slave1
Environment	
Directives	89/336/EEC - electromagnetic compatibility 98/37/EEC - machinery 89/655/EEC - work equipment
Product certifications	cULus[RETURN]TÜV[RETURN]CE
Safety level (correctly wired)	Type 4 conforming to IEC 61496-1 SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 Category 4 conforming to EN/ISO 13849-1 PL = e conforming to EN/ISO 13849-1
Optical characteristic	Resistance to light disturbance conforming to EN/IEC 61496-2
Mission time	20 year(s)
Safety reliability data	PFHd = 8.20E-9 1/h conforming to IEC 61508
Ambient air temperature for operation	-2055 °C
Ambient air temperature for storage	-2570 °C -3570 °C
Relative humidity	095 % 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= 1055 Hz) conforming to IEC 61496-1
Packing Units Unit Type of Package 1 Number of Units in Package 1	PCE 1
Package 1 Height	13.5 cm
Package 1 Width	19.5 cm
Package 1 Length	40.0 cm
Package 1 Weight	1.6 kg
1 donago 1 moigrit	
Offer Sustainability	
Sustainable offer status	Green Premium product
Toxic heavy metal free	Yes
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com
Contractual warranty	



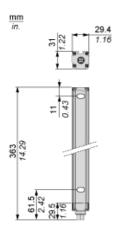
18 months

Warranty

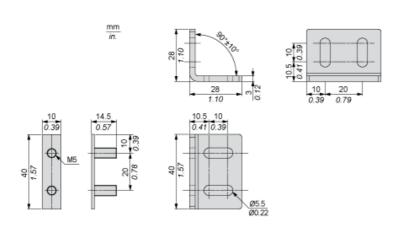
Product data sheet Dimensions Drawings

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Dimensions



Brackets Dimensions

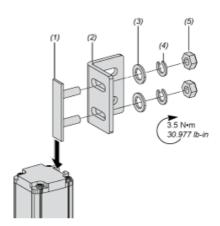


Product data sheet **Mounting and Clearance**

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Mounting and Clearance





- (1) (2) (3) (4) (5) Insert
- Bracket
- Washer
- Spring washer
- Nut

Product data sheet Connections and Schema

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Wiring Diagrams

Transmitter Connections



- (1) +24 Vdc
- (2) Master/Slave_A (3) 0 Vdc (4) Master/Slave_B

- (5) FE

Receiver Connections



- +24 Vdc
- (1) (2) Master/Slave_A
- 0 Vdc
- (4) Master/Slave_B (5) FE