

XUSL4E14F031N

Safety light curtain type 4, Telemecanique
Safety light curtains XUSL, XUSL Finger
protection, Std sensing range, 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	0.6 in (14 mm)
[Sn] nominal sensing distance	3.3...19.7 Ft (1...6 m) by cabling 0.000000000...9.8 ft (0...3 m) by cabling
[Hp] Height protected	12.2 in (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
Response Time	5.5 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	2.5 ° at 3 m
Emission	IR LED 0.000037402 in (950 nm)
[Us] rated supply voltage	24 V DC +/- 20 %
Supply	Power supply IEC 61496-1 Power supply 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 safety outputs OSSD
Output voltage	24 V
Output circuit type	DC
Maximum voltage drop	<0.5 V
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 XPSPCMUT1160 LED display of operating modes and faults

Telemecanique XUSL4E14F031N

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Material	Aluminium: casing Polycarbonate: front panel Polypropylene: end caps
Housing colour	Red RAL 3000
Fixing Mode	By fixing brackets
Net Weight	1.5 lb(US) (0.7 kg)
Offer type	Standard distance

Environment

Directives	89/336/EEC - electromagnetic compatibility 98/37/EEC - machinery 89/655/EEC - work equipment
Product Certifications	cULus[RETURN]CE[RETURN]TÜV
Safety level (correctly wired)	Type 4 IEC 61496-1 SIL 3 IEC 61508 SILCL 3 IEC 62061 Category 4 ISO 13849-1 PL = e ISO 13849-1
Optical characteristic	Resistance to light disturbance IEC 61496-2
Mission time	20 year(s)
Safety reliability data	PFHd = 1.27E-8 1/h IEC 61508
Ambient Air Temperature for Operation	-10...55 °C (14...131 °F) -4...131 °F (-20...55 °C)
Ambient Air Temperature for Storage	-31...158 °F (-35...70 °C) -25...70 °C (-13...158 °F)
Relative Humidity	0...95 % without condensation
IP degree of protection	IP65 IP67
Shock resistance	10 gn 16 ms IEC 61496-1
Vibration resistance	0.35 +/- 0.05 mm 10...55 Hz)IEC 61496-1



Ordering and shipping details

Category	US10DS222455
Discount Schedule	0DS2
GTIN	3389119618199
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.59 in (14.200 cm)
Package 1 Width	7.80 in (19.800 cm)
Package 1 Length	15.75 in (40.000 cm)
Package 1 Weight	3.380 lb(US) (1.533 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	15.75 in (40.000 cm)
Package 2 Length	23.62 in (60.000 cm)
Package 2 Weight	8.195 lb(US) (3.717 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
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
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

Contractual warranty

Warranty	18 months
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