XUSL4E14F046NS2
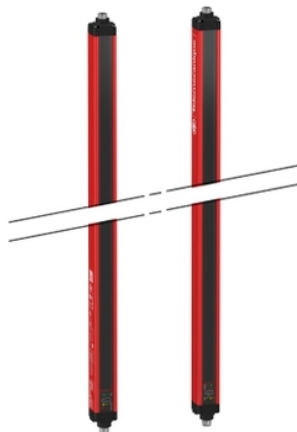
Safety light curtain type 4, Telemecanique Safety light curtains XUSL, XUSL Slave2, For finger protection, Hp = 460 mm, R=14 mm

Green Premium™ Product

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	0.55 in (14 mm)
[Sn] nominal sensing distance	3.28…19.69 Ft (1…6 m) by cabling 0.00…9.84 ft (0…3 m) by cabling
[Hp] Height protected	18.11 in (460 mm)
Number of beams	45
Type of start / restart	Automatic Manual
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 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 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

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Net Weight	2.25 lb(US) (1.02 kg)
Offer type	Standard distance
Topology	Daisy chain slave2

Environment

Directives	89/655/EEC - work equipment 98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility
Product Certifications	CE TÜV cULus
Safety level (correctly wired)	Type 4 IEC 61496-1 SIL 3 IEC 61508 SILCL 3 IEC 62061 Category 4 EN/ISO 13849-1 PL = e EN/ISO 13849-1
Optical characteristic	Resistance to light disturbance EN/IEC 61496-2
Mission time	20 year(s)
Safety reliability data	PFHd = 9.47E-9 1/h IEC 61508
Ambient Air Temperature for Operation	-4…131 °F (-20…55 °C) 14…131 °F (-10…55 °C)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C) -31…158 °F (-35…70 °C)
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	22455-LIGHT CURTAINS - XUSL
Discount Schedule	DS2
GTIN	3389119620123
Nbr. of units in pkg.	1
Package weight(Lbs)	4.41 lb(US) (2.0 kg)
Returnability	No
Country of origin	IT

Packing Units

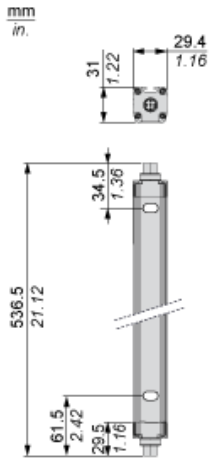| Unit Type of Package 1	PCE
Package 1 Height	5.31 in (13.5 cm)
Package 1 width	7.68 in (19.5 cm)
Package 1 Length	21.65 in (55 cm)

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 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

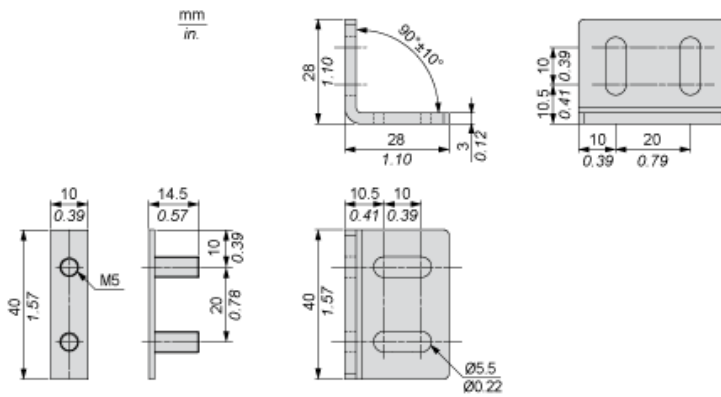| Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

Dimensions

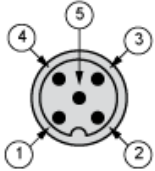## Brackets Dimensions

Mounting and Clearance

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

Wiring Diagrams

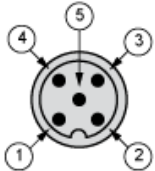### Transmitter Connections

Slave primary connector at the bottom

(1)   +24 Vdc
(2)   Master/Slave_A
(3)   0 Vdc
(4)   Master/Slave_B
(5)   FE
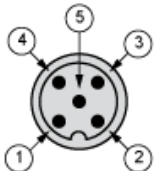
Slave secondary connector at the top

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

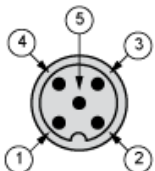### Receiver Connections

Slave primary connector at the bottom

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

Slave secondary connector at the top

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

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