

# XUSL4MA30H046N

Safety light curtain type 4, Telemecanique  
Safety light curtains XUSL, integrated muting  
hardware/soft config T4 R30 H=46 cm D4 12 m



## Main

Range of product	Telemecanique Safety light curtains XUSL
Product or component type	Safety light curtain type 4
Device short name	XUSL4M
Output type	2 safety outputs OSSD solid-state PNP (arc suppression)
Product specific application	For hand protection
[R] Resolution	30 mm
[Sn] nominal sensing distance	0...12 M by cabling 0...4 m by cabling
[Hp] Height protected	460 mm
Number of beams	23
Space between beams	30 mm
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

## Complementary

Detection system	Transmitter-receiver system
Response time	9.5 ms
Kit composition	Adjustable mounting bracket(s) 1 receiver 1 transmitter 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
[Ie] rated operational current	2 A
Current consumption	35 mA no-load transmitter 85 mA no-load receiver 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	1 multi-colour LED transmitter 10 dual colour LEDs receiver
Electrical connection	1 male connector M12 5 pins transmitter 2 female connectors M12 5 pins transmitter 1 male connector M12 12 pins receiver 3 female connectors M12 5 pins receiver
Function available	Test Muting LED display of operating modes and faults
Material	Aluminium: casing Polycarbonate: front panel Polypropylene: end caps
Housing colour	Red RAL 3000

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. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Fixing mode	By fixing brackets
Net weight	2.8 kg
Offer type	Standard distance

## Environment

Directives	89/655/EEC - work equipment 98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility
Product certifications	TÜV[RETURN]CE[RETURN]cULus
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
Safety reliability data	PFHd = 1.91E-8 1/h conforming to IEC 61508
Ambient air temperature for operation	-30...55 °C -22...131 °F
Ambient air temperature for storage	-30...70 °C -22...158 °F
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	20.0 cm
Package 1 Length	64.0 cm
Package 1 Weight	3.89 kg
Unit Type of Package 2	P12
Number of Units in Package 2	1
Package 2 Height	45.0 cm
Package 2 Width	80.0 cm
Package 2 Length	120.0 cm
Package 2 Weight	10.89 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
Toxic heavy metal free	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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Dimensions

