Product data sheet
Characteristics

XUSL4MB40H091N
Safety light curtain type 4, Telemecanique Safety light curtains XUSL, integrated muting hardware config T4 R40 H=91 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	1.57 in (40 mm)
[Sn] nominal sensing distance	0.00…39.37 Ft (0…12 m) by cabling 0.00…13.12 ft (0…4 m) by cabling
[Hp] Height protected	35.83 in (910 mm)
Number of beams	31
Space between beams	1.57 in (40 mm)
Type of start / restart	Manual Automatic
External Device Monitoring (EDM)	Selected by wiring

Complementary

Detection system	Transmitter-receiver system
Response Time	11 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 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	35 mA no-load transmitter 85 mA no-load receiver 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 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

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Housing colour	Red RAL 3000
Fixing Mode	By fixing brackets
Net Weight	11.02 lb(US) (5 kg)
Offer type	Standard distance

Environment

Directives	89/655/EEC - work equipment 98/37/EEC - machinery 89/336/EEC - electromagnetic compatibility
Product Certifications	TÜV CE 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
Safety reliability data	PFHd = 1.77E-8 1/h IEC 61508
Ambient Air Temperature for Operation	-22…131 °F (-30…55 °C) -22…131 °F (-30…55 °C)
Ambient Air Temperature for Storage	-22…158 °F (-30…70 °C) -22…158 °F (-30…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	3389119646215
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.71 in (14.5 cm)
Package 1 Width	7.87 in (20.0 cm)
Package 1 Length	43.31 in (110.0 cm)
Package 1 Weight	14.19 lb(US) (6.435 kg)
Unit Type of Package 2	P12
Number of Units in Package 2	1
Package 2 Height	17.72 in (45.0 cm)
Package 2 Width	31.50 in (80.0 cm)
Package 2 Length	47.24 in (120.0 cm)
Package 2 Weight	40.64 lb(US) (18.435 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 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
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months

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Dimensions

