



Main

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| Range of product | Preventa Safety detection |
| Series name | Advanced |
| Product or component type | Safety light curtain type 4 |
| Device short name | XUSLDM |
| Output type | 1 auxiliary output solid-state PNP/NPN 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection) |
| Product specific application | For finger protection |
| Minimum object diameter for detection | 14 mm |
| [Sn] nominal sensing distance | 3 m with Programming and Diagnostic Module (PDM) 0.3...7 m |
| Height protected | 600 mm |
| Number of beams | 60 |

Complementary

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| Detection system | Transmitter-receiver system |
| Response time | 23 ms normal 38 ms slow |
| Kit composition | 2 sets of 2 brackets with fixings 1 user guide with certificate of conformity on CD-ROM Arc suppressor set(s) Receiver(s) Test rod(s) Transmitter(s) |
| [EAA] effective aperture angle | 2.5 ° at 3 m |
| Light source | GaAIAs LED, 880 nm |
| [Us] rated supply voltage | 24 V DC (+/- 20 %) |
| [Ie] rated operational current | 2 A |
| Current consumption | 285 mA (transmitter) 450 mA no-load (receiver) 1.8 A with maximum load (receiver) |
| Output current limits | 625 mA for safety outputs OSSD 100 mA for auxiliary output |
| Output voltage | 24 V |
| Output circuit type | DC |

Disclaimer: 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

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| Monitoring act of of relay MPCE/EDM | 50 mA |
| Local signalling | 1 LED (transmitter), function: power supply 4 LEDs (receiver), function: stop, run, interlock, ECS/B Blanking or FB (Floating Blanking) |
| Electrical connection | 1 female connector M12 5 pins (transmitter) 1 female connector M12 8 pins (receiver) |
| Function available | Alignment aid by display of each light beam broken accessible by cabling alone Automatic start accessible by cabling alone Automatic/manual, manual first cycle accessible via programming and diagnostic module Auxiliary output (alarm or status signalling, PNP or NPN) accessible via programming and diagnostic module Auxiliary output (PNP, status signalling) accessible by cabling alone Blanking (ECS/B) accessible via programming and diagnostic module Cascadable versions with up to 4 segments total, using segments XUS LDS accessible via programming and diagnostic module Display of operating modes and faults by LED and/or PDM accessible via programming and diagnostic module Floating blanking (FB) accessible via programming and diagnostic module LED display of operating modes and faults accessible by cabling alone Light beam coding (A or B) accessible via programming and diagnostic module Monitored blanking accessible via programming and diagnostic module Monitoring of external switching devices (EDM: External Device Monitoring) accessible via programming and diagnostic module Muting accessible via programming and diagnostic module Programming+downloading of conf settings, via programming+diagnostic module(PDM) accessible via programming and diagnostic module Reduction of resolution accessible via programming and diagnostic module Response time (normal, slow) accessible via programming and diagnostic module Sensing distance (short, long) accessible via programming and diagnostic module Start button (NO or NC, 0 V or 24 V) accessible via programming and diagnostic module Test (MTS: Monitoring Test Signal) accessible by cabling alone |
| Marking | CE |
| Material | Casing : aluminium End caps : 20 % fibre glass impregnated nylon |
| Fixing mode | End brackets |
| Product weight | 3.22 kg |

Environment

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| Standards | OSHA 1910-217C EN/IEC 61496-2 Work equipment directive 2009/104/EC ROHS directive 2002/95/EC ANSI B11:19-1990 EN/IEC 61496-1 OSHA 1910-212 EMC 2004/108/EC Machinery directive 2006/42/EC ANSI/RIA R15.06 EN/IEC 61496-1-2 for type 4 ESPE |
| Product certifications | CSA UL TÜV |
| Safety level | Type 4 conforming to IEC 61496-1-2 Can reach SIL 3 conforming to IEC 61508 (correctly wired) Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired) Can reach PL = e conforming to EN/ISO 13849-1 (correctly wired) |
| Safety reliability data | PFH = 4.9E-8 1/h conforming to IEC 61508 (verified in worst case conf: 256 beams, 2 segments, mute), proof test interval = 20 yr |
| Ambient air temperature for operation | -10...55 °C |
| Ambient air temperature for storage | -25...75 °C |
| Relative humidity | 0...95 % without condensation |
| IP degree of protection | IP65 |
| 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 |

Offer Sustainability

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| RoHS (date code: YYWW) | Compliant Schneider Electric declaration of conformity |
| Product environmental profile | Available End of Life Information |
| Product end of life instructions | Available |

Contractual warranty

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| Warranty period | 18 months |
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XUSLDMQ6A0600 may be replaced by any of the following products:



Light curtains XUSL4E14F061N

XUSL type 4 - Finger protection - Std sensing range - Hp = 610 mm, R=14mm

Qty 1

Reason for Substitution: End of life | Substitution date: 12 June 2014 | for Muting (With Safety Module)



Light curtains XUSL4E14F061NM

XUSL type 4 - Master for finger protection - Hp = 610 mm, R=14mm

Qty 1

Reason for Substitution: End of life | Substitution date: 12 June 2014 | for M/S