



### Main

|                                       |   |
|---------------------------------------|---|
| 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<br>2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection) |
| Product specific application          | For hand protection   |
| Minimum object diameter for detection | 30 mm   |
| [Sn] nominal sensing distance         | 8 m with Programming and Diagnostic Module (PDM)<br>0.3...20 m  |
| Height protected                      | 1360 mm   |
| Number of beams                       | 68  |

### Complementary

|                                |   |
|--------------------------------|---|
| Detection system               | Transmitter-receiver system   |
| Response time                  | 23 ms normal<br>38 ms slow  |
| Kit composition                | 2 sets of 2 brackets with fixings<br>1 user guide with certificate of conformity on CD-ROM<br>Arc suppressor set(s)<br>Receiver(S)<br>Test rod(s)<br>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)<br>450 mA no-load (receiver)<br>1.8 A with maximum load (receiver)   |
| Output current limits          | 625 mA for safety outputs OSSD<br>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

|                                     |  |
|-------------------------------------|--|
| Monitoring act of of relay MPCE/EDM | 50 mA  |
| Local signalling                    | 1 LED (transmitter), function: power supply<br>4 LEDs (receiver), function: stop, run, interlock, ECS/B Blanking or FB (Floating Blanking)   |
| Electrical connection               | 1 female connector M12 5 pins (transmitter)<br>1 female connector M12 8 pins (receiver)  |
| Function available                  | Alignment aid by display of each light beam broken accessible by cabling alone<br>Automatic start accessible by cabling alone<br>Automatic/Manual, manual first cycle accessible via programming and diagnostic module<br>Auxiliary output (alarm or status signalling, PNP or NPN) accessible via programming and diagnostic module<br>Auxiliary output (PNP, status signalling) accessible by cabling alone<br>Blanking (ECS/B) accessible via programming and diagnostic module<br>Cascadable versions with up to 4 segments total, using segments XUS LDS accessible via programming and diagnostic module<br>Display of operating modes and faults by LED and/or PDM accessible via programming and diagnostic module<br>Floating blanking (FB) accessible via programming and diagnostic module<br>LED display of operating modes and faults accessible by cabling alone<br>Light beam coding (A or B) accessible via programming and diagnostic module<br>Monitored blanking accessible via programming and diagnostic module<br>Monitoring of external switching devices (EDM: External Device Monitoring) accessible via programming and diagnostic module<br>Muting accessible via programming and diagnostic module<br>Programming+Downloading of conf settings, via programming+diagnostic module(PDM) accessible via programming and diagnostic module<br>Reduction of resolution accessible via programming and diagnostic module<br>Response time (normal, slow) accessible via programming and diagnostic module<br>Sensing distance (short, long) accessible via programming and diagnostic module<br>Start button (NO or NC, 0 V or 24 V) accessible via programming and diagnostic module<br>Test (MTS: Monitoring Test Signal) accessible by cabling alone |
| Marking                             | CE   |
| Material                            | Casing : aluminium<br>End caps : 20 % fibre glass impregnated nylon  |
| Fixing mode                         | End brackets   |
| Product weight                      | 6.62 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | ANSI B11:19-1990<br>ANSI/RIA R15.06<br>EN/IEC 61496-1<br>EN/IEC 61496-1-2 for type 4 ESPE<br>EN/IEC 61496-2<br>OSHA 1910-212<br>OSHA 1910-217C<br>ROHS directive 2002/95/EC<br>Machinery directive 2006/42/EC<br>EMC 2004/108/EC<br>Work equipment directive 2009/104/EC |
| Product certifications                | CSA<br>TÜV<br>UL   |
| Safety level                          | Type 4 conforming to IEC 61496-1-2<br>Can reach SIL 3 conforming to IEC 61508 (correctly wired)<br>Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired)<br>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

|                                  |   |
|----------------------------------|---|
| RoHS (date code: YYWW)           | Compliant - since 0806 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| Product environmental profile    | Available<br><a href="#">End of Life Information</a>  |
| Product end of life instructions | Available   |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## XUSLDMY5A1360 is replaced by:



### Light curtains XUSL4E30H136N

XUSL type 4 - For hand protection - Std sensing range - Hp = 1360 mm, R=30mm

Qty 1

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