



## Eaton 135561

Eaton Moeller® series E58 Thru-beam photoelectric sensor, transmitter, Sn=6m, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12 11100RQD07

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|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series E58 Thru-beam photoelectric sensor                                                                                                                           |
| <b>CATALOG NUMBER</b>       | 135561                                                                                                                                                                             |
| <b>PRODUCT LENGTH/DEPTH</b> | 64.77 mm                                                                                                                                                                           |
| <b>PRODUCT HEIGHT</b>       | 19.05 mm                                                                                                                                                                           |
| <b>PRODUCT WIDTH</b>        | 11.94 mm                                                                                                                                                                           |
| <b>PRODUCT WEIGHT</b>       | 0.09 kg                                                                                                                                                                            |
| <b>CERTIFICATIONS</b>       | UL 508<br>IEC/EN 60947-5-2<br>UL File No.: E117028<br>UL<br>UL Category Control No.: NRKH, NRKH7<br>CSA Class No.: 3211-07<br>CSA-C22.2 No. 14<br>CSA File No.: 50513<br>CE<br>CSA |

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|------------------------------------|-------------------------------------------------------------------------------------|
| TYPE                               | Optical sensors                                                                     |
| FEATURES                           | Right-angled beam                                                                   |
| DEVICE TYPE                        | Transmitter                                                                         |
| ELECTRIC CONNECTION TYPE           | Connector M12                                                                       |
| FITTED WITH:                       | Transmitter (for combination with detector)                                         |
| ENCLOSURE MATERIAL                 | Plastic                                                                             |
| ENCLOSURE TYPE                     | Cylinder, screw-thread                                                              |
| EXPLOSION SAFETY CATEGORY FOR DUST | None                                                                                |
| EXPLOSION SAFETY CATEGORY FOR GAS  | None                                                                                |
| FUNCTIONS                          | Thru-light beam<br>Protection against polarity reversal<br>Short-circuit protection |
| VOLTAGE TYPE                       | DC                                                                                  |
| WIRE SIZE                          | 0                                                                                   |
| CONNECTION TYPE                    | Plug-in connection M12 x 1<br>4-wire                                                |
| CABLE SHEATH MATERIAL              | Polyurethane (PUR)                                                                  |
| LIGHT TYPE                         | Polarity free red light                                                             |
| DEGREE OF PROTECTION               | IP67<br>NEMA 4                                                                      |
| INTERFACE TYPE                     | Other                                                                               |
| LED INDICATOR                      | Status indication of<br>Operating voltage: Red LED                                  |
| SWITCH FUNCTION TYPE               | Other                                                                               |
| LOAD CURRENT                       | Max. 250 mA (Ie, NPN, 120 > 50°C)<br>Max. 100 mA (Ie, PNP)                          |
| LASER PROTECTION CLASS             | None                                                                                |
| OPERATION AGENT-SAFETY CLASS       | Safety class 2                                                                      |
| SHOCK RESISTANCE                   | 100 g, Mechanical, Shock duration 3 ms                                              |
| OPTICAL SURFACE MATERIAL           | Plastic                                                                             |
| OUTPUT CURRENT (MA) - MAX          | 100 mA                                                                              |
| RATED CONTROL SUPPLY               | 30 V                                                                                |

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| □□□□□ | <a href="#">IL05305002Z</a>                                                                                                |
| □□    | <a href="#">eaton-proximity-switches-dimensions-004.eps</a><br><a href="#">eaton-proximity-switches-3d-drawing-003.eps</a> |

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|---------------------------------------------------------------------|-----------------------|
| <b>VOLTAGE (US) AT DC - MAX</b>                                     |                       |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>                | 10 V                  |
| <b>RATED SWITCHING DISTANCE (SN)</b>                                | 6000 mm               |
| <b>SENSOR LENGTH</b>                                                | 65 mm                 |
| <b>SWITCHING DISTANCE - MAX</b>                                     | 6000 mm               |
| <b>VOLTAGE RATING - MAX</b>                                         | 30 V                  |
| <b>SAFETY TYPE (IEC 61496-1)</b>                                    | 1                     |
| <b>SENSING MODE</b>                                                 | Light-/dark switching |
| <b>SWITCHING OUTPUT TYPE</b>                                        | NPN                   |
| <b>SENSOR MATERIAL</b>                                              | Insulated material    |
| <b>PRODUCT CATEGORY</b>                                             | Comet Series          |
| <b>RESPONSE TIME</b>                                                | 7 ms                  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                          | 70 °C                 |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                          | -20 °C                |
| <b>DIAMETER SENSOR</b>                                              | 18 mm                 |
| <b>NUMBER OF CONTACT ENERGIZED OUTPUTS WITH SIGNALLING FUNCTION</b> | 0                     |
| <b>NUMBER OF OUTPUTS (PROTECTED CONTACT ENERGIZED)</b>              | 0                     |
| <b>NUMBER OF OUTPUTS (PROTECTED SEMICONDUCTOR)</b>                  | 0                     |
| <b>NUMBER OF OUTPUTS (SEMICONDUCTOR WITH SIGNALING FUNCTION)</b>    | 0                     |
| <b>OPERATIONAL CURRENT (IB) IN THE SWITCHED STATE AT 24 V DC</b>    | 25 A                  |
| <b>ADJUSTMENT TYPE</b>                                              | Manual adjustment     |

