

# Rugged Outdoor Switch

09-RS.1101.6100.M002



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Your product:

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## 09-RS.1101.6100.M002 Rugged Outdoor Switch

### FRONT

|                       |         |
|-----------------------|---------|
| Front dimension:      | Ø 39 mm |
| Front form:           | Round   |
| Front bezel colour:   | Black   |
| Front bezel material: | Plastic |
| Front bezel shape:    | Raised  |

### MOUNTING

|                   |         |
|-------------------|---------|
| Design:           | Raised  |
| Mounting cut-out: | Ø 30 mm |

### OPERATING-/INDICATION PART

|                        |                          |
|------------------------|--------------------------|
| Lens colour:           | Blue                     |
| Lens material:         | Plastic                  |
| Lens illumination:     | Non illuminated          |
| Lens shape:            | Concave                  |
| Lens type:             | Raised above front bezel |
| Symbol:                | Extend arm               |
| Marking symbol colour: | Black                    |

### ELECTRICAL CHARACTERISTICS

|               |                      |
|---------------|----------------------|
| Contacts:     | 1 NO                 |
| Contact Type: | Magnetic Reed Switch |

|                             |                            |
|-----------------------------|----------------------------|
| <b>Operating voltage:</b>   | 12 - 48 V DC               |
| <b>Power (W):</b>           | 10                         |
| <b>Switching rating:</b>    | 48 V DC @ 0,5 A            |
| <b>Electrical lifetime:</b> | 1 Mil. cycles of operation |
| <b>Thermal current Ith:</b> | 0.5 A                      |

## MECHANICAL CHARACTERISTICS

|                             |                                          |
|-----------------------------|------------------------------------------|
| <b>Terminal:</b>            | 1.5 Series AMP Superseal 3 Pin Connector |
| <b>Contact material:</b>    | Rhodium/Silver                           |
| <b>Switching action:</b>    | Momentary                                |
| <b>Mechanical lifetime:</b> | 1 Mil. cycles of operation               |
| <b>Operating force:</b>     | 25 N                                     |
| <b>Operating Travel:</b>    | 5 mm ± 0.1 mm                            |
| <b>Tightening torque:</b>   | 2.5 ... 3 Nm fixing nut                  |
| <b>Weight:</b>              | 0.04 kg                                  |

## AMBIENT CONDITION

|                               |                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IP front protection:</b>   | IP67 (ISO 20653)                                                                                                                                    |
| <b>IP Protection:</b>         | IP67 rear side (ISO 20653)                                                                                                                          |
| <b>Operating temperature:</b> | - 20 °C ... + 100 °C (DIN EN 60068-2-64)                                                                                                            |
| <b>Storage temperature:</b>   | - 20 °C ... + 100 °C (DIN EN 60068-2-64)                                                                                                            |
| <b>Vibration resistance:</b>  | Vibration TL80101 (2006-10) chapter 4.1.4 test severity level 3, Test Conditions according DIN EN 60068-2-64 test duration 2 hours per spatial axis |
| <b>Climate resistance:</b>    | 100 cycles (- 20 °C ... + 100 °C), with 25min at high temperature, 20 min at low temperature level per cycle                                        |

## CERTIFICATE

|                      |                                                    |
|----------------------|----------------------------------------------------|
| <b>Approbations:</b> | EMC (EN ISO 13766-1:2018), EMC (EN ISO 14982:2009) |
| <b>Conformities:</b> | CE                                                 |
| <b>REACH:</b>        | REACH compliant                                    |
| <b>RoHS:</b>         | RoHS compliant                                     |

## OTHER

**Short Description:**

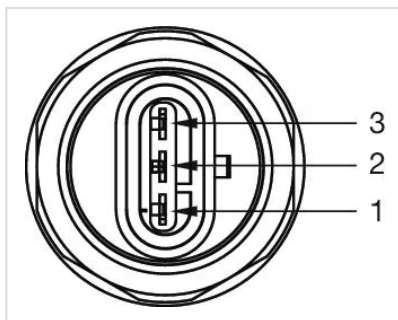
Rugged Outdoor Switch, Momentary, 48 V DC @ 0,5 A, 12 - 48 V DC, 1 NO, 1.5 Series AMP Superseal 3 Pin Connector, Round, Plastic, Extend arm, Blue

**Housing colour:**

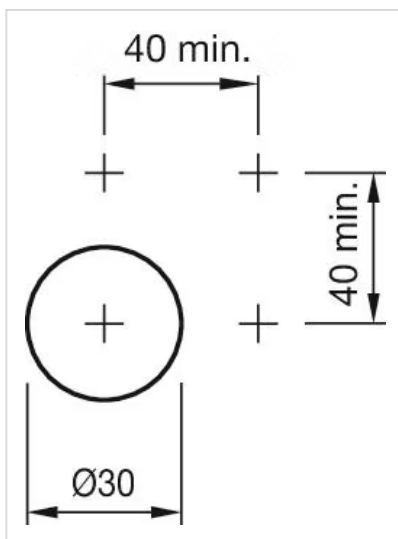
Black

**Housing material:**

Plastic

**Component layouts:**

1 = Common +  
2 = Switch Out  
3 = LED - (non illuminated - blank)

**Mounting cut-outs:****Dimension drawings:**