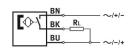
Proximity sensor SME-8-K-LED-24

Part number: 150855







Data sheet

| Enforms to standard Enfication RCM compliance mark Emarking (see declaration of conformity) As per EU BMC directive Assured variable Assured vari | Feature | Value |
|--|--|--|
| Remarking (see declaration of conformity) As per EU EMC directive As per EU E | Design | for T-slot |
| As per EU EMC directive As per EU RMS directive To UK RMS instructions for EMC To UK RMS instructions RMS-compliant Support / actuator-sensor overview "The right sensor for the actuator" Position Measuring principle Magnetic reed Ambient temperature As of C60 °C Repetition accuracy O.2 mm Contact-based, bipolar Switching output Mounting element function N/O contact O.5 ms Output current O.5 ms Output current Sowitch off time O.03 ms Max. switching frequency Max. output current Soo mA Min. switching capacity AC 10 VA Max. switching capacity DC Output ductive protective circuit Adapted to MZ, MY and ME coils Short-circuit protection Not available Operating voltage range 12 V30 V Deveload protection Not available Decreating voltage range 12 V30 V Reverse polarity protection no Reverse polarity protection technology Open end | Conforms to standard | EN 60947-5-2 |
| As per EU ROHS directive TO UK instructions for EMC TO UK ROHS instructions Note on materials RoHS-compliant Support / actuator-sensor overview "The right sensor for the actuator" Measured variable Measured variable Measuring principle Magnetic reed Ambient temperature Ropetition accuracy Out mm Switching output Contact-based, bipolar On time Outs ms Switching frequency Max. switching frequency Max. switching capacity AC Max. switching capacity AC Max. switching capacity DC Oldage drop Outs Max. switching capacity DC Oldage drop Outs Max. switching capacity DC Oldage drop Outs Max. switching capacity DC Outs Max. switching capacity Max. switching | Certification | RCM compliance mark |
| To UK ROHS instructions RoHS-compliant Support / actuator-sensor overview "The right sensor for the actuator" Measured variable Measuring principle Magnetic reed Ambient temperature Repetition accuracy O.2 mm Contact-based, bipolar Switching output Contact-based, bipolar Switching element function N/O contact On time O.5 ms Switching frequency Max. output current John switching capacity AC Max. output current John switching capacity DC Max. switching capacity DC John short-circuit protection Not available Deperating voltage range AC Deperating voltage range Lectrical connection 1, connection type Cable Electrical connection 1, connection type Electrical connection 1, number of pins/wires Joyn advanced Joyn and actuator actuator actuation actuat | CE marking (see declaration of conformity) | |
| Application note Support / actuator-sensor overview "The right sensor for the actuator" Measured variable Measuring principle Ambient temperature -40 °C60 °C Repetition accuracy 0.2 mm Contact-based, bipolar N/O contact O.5 ms Outline 0.5 ms Outline 0.03 ms Max. switching fequency Max. output current Soo mA Min. switching capacity AC Max. switching capacity DC Alond Accuracy OV Adapted to MZ, MY and ME coils Correction Not available Deperating voltage range 12 V30 V Reverse polarity protection no Referrical connection 1, connection type Referrical connection 1, number of pins/wires 3 every connection 1, number of pins/wires 3 every content of connection 1, number of pins/wires Support / actuator-sensor overview "The right sensor for the actuator" Magnetic reed Adapted con C. Contact-based, bipolar Contact-based, bipolar And of C. Contact-based, bipolar And of C. Contact-based, bipolar Contact-based, bipolar And of C. Contact-based, | UKCA marking (see declaration of conformity) | |
| Measured variable Measuring principle Manufect reed Ambient temperature -40 °C60 °C Repetition accuracy 0.2 mm Contact-based, bipolar Switching output Contact-based, bipolar N/O contact On time 0.5 ms Switch off time 0.03 ms Max. switching frequency Max. output current Soo mA Min. switching capacity AC Max. switching capacity AC Max. switching capacity DC Oldtage drop Out Output current Adapted to MZ, MY and ME coils Short-circuit protection Deverload protection Not available Operating voltage range 12 V30 V Reverse polarity protection no Relectrical connection 1, connection type Cable Clectrical connection 1, number of pins/wires 3 | Note on materials | RoHS-compliant |
| Measuring principle Ambient temperature -40 °C60 °C Repetition accuracy 0.2 mm Switching output Contact-based, bipolar Switching element function N/O contact On time 0.5 ms Switch-off time 0.03 ms Max. switching frequency Max. output current Min. switching capacity AC Max. switching cap | Application note | Support / actuator-sensor overview "The right sensor for the actuator" |
| Ambient temperature -40 °C60 °C Repetition accuracy 0.2 mm Contact-based, bipolar N/O contact Switching element function N/O contact On time 0.5 ms Switch-off time 0.03 ms Avax. switching frequency Avax. output current 500 mA Win. switching capacity AC Voltage drop Or U Inductive protective circuit Short-circuit protection Overload protection Overload protection Not available Operating voltage range 12 V30 V Reverse polarity protection no Clectrical connection 1, connection technology Open end Clectrical connection 1, number of pins/wires 3 | Measured variable | Position |
| Repetition accuracy O.2 mm Contact-based, bipolar N/O contact On time O.5 ms Switching element function On time O.5 ms Switch-off time O.03 ms Max. switching frequency Max. output current Min. switching capacity AC Max. switching capacity AC Max. switching capacity AC Max. switching capacity DC Max. switching capacity DC Oltage drop Overload protection Overload protection Not available Operating voltage range AC Octoberating voltage range 12 V30 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Measuring principle | Magnetic reed |
| Contact-based, bipolar N/O contact On time O.5 ms Switch-off time O.03 ms Max. switching frequency Max. output current Min. switching capacity AC Max. switching capacity DC Voltage drop Outcutte protective circuit Adapted to MZ, MY and ME coils Short-circuit protection Overload protection Not available Operating voltage range Coperating voltage range Reverse polarity protection no Reverse polarity protection no Reverse polarity protection no Retectrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Ambient temperature | -40 °C60 °C |
| Switching element function N/O contact On time 0.5 ms Switch-off time 0.03 ms Max. switching frequency Max. output current 500 mA Min. switching capacity AC Max. switching capacity DC 10 W Voltage drop 0 V Inductive protective circuit Adapted to MZ, MY and ME coils Short-circuit protection Not available Operating voltage range AC 12 V30 V Reverse polarity protection no Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Repetition accuracy | 0.2 mm |
| On time O.5 ms Switch-off time O.03 ms Max. switching frequency Max. output current Soo mA Min. switching capacity AC In W Max. switching capacity DC In W Moltage drop Overload protective circuit Adapted to MZ, MY and ME coils Short-circuit protection Not available Operating voltage range Deverload protection Deverload pro | Switching output | Contact-based, bipolar |
| Switch-off time O.03 ms Max. switching frequency Max. output current 500 mA Min. switching capacity AC 10 VA Max. switching capacity DC /oltage drop O V Inductive protective circuit Short-circuit protection Overload protection Overload protection Overload protection Occoperating voltage range AC OC operating voltage range 12 V30 V Reverse polarity protection Ino Reverse polarity protection Ino Cable Clectrical connection 1, connection type Cable Clectrical connection 1, connection technology Open end Clectrical connection 1, number of pins/wires 3 | Switching element function | N/O contact |
| Max. switching frequency Max. output current 500 mA Min. switching capacity AC 10 VA Max. switching capacity DC 10 W /oltage drop o V Inductive protective circuit Adapted to MZ, MY and ME coils Short-circuit protection no Overload protection Not available Operating voltage range AC 12 V30 V Reverse polarity protection no Selectrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | On time | 0.5 ms |
| Max. output current Min. switching capacity AC Max. switching capacity DC 10 W /oltage drop 0 V Inductive protective circuit Adapted to MZ, MY and ME coils Short-circuit protection Inductive protection Not available Operating voltage range AC Co operating voltage range 12 V30 V Reverse polarity protection Inductive protection Inductive protection Inductive protective circuit Adapted to MZ, MY and ME coils Inductive protection Inductive | Switch-off time | 0.03 ms |
| Min. switching capacity AC Max. switching capacity DC 10 W Voltage drop 0 V Inductive protective circuit Adapted to MZ, MY and ME coils Short-circuit protection Not available Operating voltage range AC 12 V30 V Reverse polarity protection Ino Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires 10 VA 10 VA 10 W Adapted to MZ, MY and ME coils Not available 12 V30 V 12 V30 V Coperating voltage range 12 V30 V Cable Clectrical connection 1, connection type Electrical connection 1, connection technology Open end | Max. switching frequency | 800 Hz |
| Max. switching capacity DC /oltage drop o V nductive protective circuit Adapted to MZ, MY and ME coils Short-circuit protection no Overload protection Not available Operating voltage range AC OC operating voltage range 12 V30 V Reverse polarity protection no Electrical connection 1, connection type Cable Clectrical connection 1, connection technology Open end Clectrical connection 1, number of pins/wires 3 | Max. output current | 500 mA |
| Adapted to MZ, MY and ME coils Chort-circuit protection Coverload protec | Min. switching capacity AC | 10 VA |
| Adapted to MZ, MY and ME coils Short-circuit protection Overload protection Not available Operating voltage range AC OC operating voltage range 12 V30 V Reverse polarity protection no Electrical connection 1, connection type Cable Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires Adapted to MZ, MY and ME coils no 2 V30 V Caving V30 V Capperating voltage range Cable Cable Clectrical connection 1, connection technology Open end | Max. switching capacity DC | 10 W |
| Short-circuit protection no Overload protection Not available Operating voltage range AC 12 V30 V OC operating voltage range 12 V30 V Oc operating voltage range 12 V30 V Oc operating voltage range Comparity protection no Electrical connection 1, connection type Cable Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Voltage drop | 0 V |
| Overload protection Not available 12 V30 V OC operating voltage range 12 V30 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Inductive protective circuit | Adapted to MZ, MY and ME coils |
| Deperating voltage range AC 12 V30 V Co operating voltage range 12 V30 V Reverse polarity protection no Electrical connection 1, connection type Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Short-circuit protection | no |
| DC operating voltage range 12 V30 V Reverse polarity protection no Electrical connection 1, connection type Cable Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Overload protection | Not available |
| Reverse polarity protection no Clectrical connection 1, connection type Cable Clectrical connection 1, connection technology Open end Clectrical connection 1, number of pins/wires 3 | Operating voltage range AC | 12 V30 V |
| Electrical connection 1, connection type Cable Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | DC operating voltage range | 12 V30 V |
| Electrical connection 1, connection technology Open end Electrical connection 1, number of pins/wires 3 | Reverse polarity protection | no |
| Electrical connection 1, number of pins/wires 3 | Electrical connection 1, connection type | Cable |
| · | Electrical connection 1, connection technology | Open end |
| Connection outlet orientation Longitudinal | Electrical connection 1, number of pins/wires | 3 |
| | Connection outlet orientation | Longitudinal |

| Feature | Value |
|--|--|
| Cable length | 2.5 m |
| Color cable sheath | Gray |
| Material of cable sheath | TPE-U(PUR) |
| Type of mounting | Clamped in T slot Can be inserted in slot lengthwise |
| Tightening torque | 0.2 Nm |
| Mounting position | Any |
| Product weight | 30 g |
| Housing colour | Black |
| Housing material | Epoxy resin PC PET High-alloy stainless steel |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C60 °C |
| Degree of protection | IP65 IP67 |
| Insulation voltage | 50 V |
| Surge resistance | 0.8 kV |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Contamination level | 3 |