



PRODUCT-DETAILS

# Sense7Z M12

## Sense7Z M12 Sensor



| General Information  |   |
|--|---|
| Extended Product Type  | Sense7Z M12   |
| Product ID   | 2TLA050056R2120   |
| EAN  | 7350024466751   |
| Catalog Description  | Sense7Z M12 Sensor  |
| Long Description   | Safety magnetic switch complete with actuator, 2NC+1NO (guard closed and actuator present), stainless steel, LED, 250mm cable with M12-8 male connector.                                      |
|  | Sense7 is a coded magnetic non-contact switch for interlocking gates and hatches, or other moveable parts.  |
|  | Sense7 has a stainless steel housing that is designed for harsh environments and extreme temperatures. Sense7 offers an interlocking function reaching up to PL e/SIL3 with low level coding. |
| +105°C is accepted for short duration during CIP/SIP cleaning. |   |

| Ordering               |            |
|------------------------|------------|
| Minimum Order Quantity | 1 piece    |
| Customs Tariff Number  | 8536500500 |

|                   |  |
|-------------------|--|
| Product Main Type | Sense  |
| Product Name      | Sensor   |
| Function          | Safety magnetic switch for interlocking gates and hatches - Complete |
| Status Indicator  | Yes  |

Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2TLC010001C0202 |
| Instructions and Manuals          | 2TLC172249M0201 |
| CAD Dimensional Drawing           | 2CDC001079B0201 |
| Marketing Video                   | 2TLC010018N0201 |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Depth / Length | 14 mm    |
| Product Net Height         | 50 mm    |
| Product Net Width          | 88 mm    |
| Product Net Weight         | 0.205 kg |

Safety Information

|                              |         |
|------------------------------|---------|
| Certification Agency         | cCSAus  |
| Safety Category              | 4       |
| Performance Level (PL)       | Up to e |
| Safety Integrity Level (SIL) | 3       |

Technical

|  |                           |
|--|---------------------------|
| Communication Interface                          | PNP                       |
| Connection Configuration                         | M12-8 male on 25 cm cable |
| Minimum Switching Capacity                       | 10 VDC 1mA                |
| Number of Outputs                                | Failsafe (Transistor) 3   |
| Operating Distance (S <sub>n</sub> )             | 5 mm                      |
| Probability of Dangerous Failure per Hour (PFDH) | 2.6 10 <sup>-8</sup> hour |
| Rated Control Supply Voltage (U <sub>s</sub> )   | 24 V DC                   |

Technical UL/CSA

|                       |   |
|-----------------------|---|
| Enclosure Type UL/CSA | 1 |
|-----------------------|---|

Environmental

|             |                          |
|-------------|--------------------------|
| Ambient Air | Operation -25 ... +70 °C |
|-------------|--------------------------|

|                      |   |
|----------------------|---|
| Temperature          |   |
| Degree of Protection | IP67  |
| Material             | Housing: Stainless steel 316<br>Coating housing: Uncoated |

### Material Compliance

|   |  |
|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658  |
| REACH Declaration                           | 2CMT2022-006480  |
| RoHS Information                            | 2CMT2022-006499  |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA         | 2CMT2023-006522  |
| WEEE B2C / B2B                              | Business To Business   |
| WEEE Category                               | 5. Small Equipment (No External Dimension More Than 50 cm)             |

### Certificates and Declarations

|                                  |                       |
|----------------------------------|-----------------------|
| cULus Certificate                | 2TLC010041D0201       |
| Declaration of Conformity - CCC  | No declaration needed |
| Declaration of Conformity - CE   | 2TLC010060D0201       |
| Declaration of Conformity - UKCA | 2TLC010184D0201       |
| TÜV Certificate                  | 2TLC172125D0201       |
| UL Certificate                   | 2TLC010041D0201       |

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 77 mm         |
| Package Level 1 Depth / Length | 103 mm        |
| Package Level 1 Height         | 192 mm        |
| Package Level 1 Gross Weight   | 0.261 kg      |
| Package Level 1 EAN            | 7350024466751 |

### Classifications

|                                    |                                      |
|------------------------------------|--------------------------------------|
| eClass                             | V11.0 : 27272402                     |
| ETIM 7                             | EC002544 - Magnetic proximity switch |
| ETIM 8                             | EC002544 - Magnetic proximity switch |
| ETIM 9                             | EC002544 - Magnetic proximity switch |
| IDEA Granular Category Code (IGCC) | 6147 >> Non contact sensors          |
| UNSPSC                             | 41111916                             |
| Object Classification Code         | B                                    |
| E-Number (Sweden)                  | 3860165                              |

Categories

Low Voltage Products and Systems → Control Products → Safety Products → Safety Sensors, Switches and Locks → Sense

