



### Main

|                           |                  |
|---------------------------|------------------|
| Range of product          | 9007             |
| Series name               | Miniature potted |
| Product or component type | Limit switch     |
| Device short name         | 9007MS/ML        |
| Sensor design             | Miniature        |
| Body type                 | Fixed            |
| Head type                 | Plunger head     |
| Material                  | Metal            |
| Body material             | Cast zinc        |
| Number of poles           | 1                |

### Complementary

|                                              |                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Fixing mode                                  | By the body                                                                                                 |
| Movement of operating head                   | Linear                                                                                                      |
| Type of operator                             | Spring return parallel roller plunger steel -                                                               |
| Type of approach                             | Lateral approach, 2 directions                                                                              |
| Switch actuation                             | By 30° cam                                                                                                  |
| Contacts type and composition                | NC-NO                                                                                                       |
| Switch function                              | SPDT                                                                                                        |
| Contact form                                 | Form C                                                                                                      |
| Contacts material                            | Silver contacts                                                                                             |
| Contact operation                            | Snap action                                                                                                 |
| Positive opening                             | Without                                                                                                     |
| Electrical connection                        | Male connector M12 micro AC type 1 keyway 4 pins bottom                                                     |
| Terminals description ISO n°1                | (1-3)NO<br>(1-2)NC<br>(4)gnd                                                                                |
| Maximum force for tripping                   | 80 ozf                                                                                                      |
| [Ie] rated operational current               | 5 A at 28 V DC<br>3 A at 120 V AC<br>3 A at 240 V AC                                                        |
| [Ithe] conventional enclosed thermal current | 3 A                                                                                                         |
| [Ui] rated insulation voltage                | 300 V (pollution degree 3) conforming to UL 508<br>300 V (pollution degree 3) conforming to CSA C22.2 No 14 |
| Electrical durability                        | 100000 cycles                                                                                               |
| Mechanical durability                        | 10000000 cycles                                                                                             |
| Marking                                      | CE<br>UL<br>CSA                                                                                             |
| Sale per indivisible quantity                | 1                                                                                                           |
| Height                                       | 44.45 mm                                                                                                    |
| Width                                        | 39.62 mm                                                                                                    |
| Depth                                        | 15.75 mm                                                                                                    |
| Net weight                                   | 0.5 kg                                                                                                      |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock resistance                      | 35 gn for 9 ms conforming to IEC 60068-2-27                                                                                                                                                 |
| Vibration resistance                  | 10 gn (f= 75...1200 Hz) conforming to IEC 60068-2-6                                                                                                                                         |
| NEMA degree of protection             | NEMA 1 conforming to Nema type 250<br>NEMA 2 conforming to Nema type 250<br>NEMA 4 conforming to Nema type 250<br>NEMA 6 conforming to Nema type 250<br>NEMA 6P conforming to Nema type 250 |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                                                                                                                |
| Ambient air temperature for operation | -40...220 °F                                                                                                                                                                                |
| Ambient air temperature for storage   | -40...220 °F                                                                                                                                                                                |
| Protective treatment                  | Epoxy powder coat                                                                                                                                                                           |
| Product certifications                | UL[RETURN]CSA[RETURN]CE                                                                                                                                                                     |
| Standards                             | E78403<br>LR 25490 Class 32 11 03                                                                                                                                                           |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 4.1 cm  |
| Package 1 Width              | 5.8 cm  |
| Package 1 Length             | 9.4 cm  |
| Package 1 Weight             | 163.3 g |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| Environmental Disclosure                   |  <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                 |
| Circularity Profile                        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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