



### 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                                                                                                      |

## 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 |
|----------|-----------|