



### 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                        | Pre-wired cable bottom                                                                                  |
| Type of cable                                | SJTO AWG 18), 12 ft (3.66 m), Yellow                                                                    |
| Terminals description ISO n°1                | (Green-yellow)Gnd<br>(White)NO<br>(Black)Com<br>(red)NC                                                 |
| Wire insulation material                     | PVC                                                                                                     |
| Maximum force for tripping                   | 80 ozf                                                                                                  |
| [Ie] rated operational current               | 6 A 120 V AC, A300 NEMA rating designation<br>3 A 240 V AC, A300 NEMA rating designation<br>5 A 28 V DC |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                    |
| [Ui] rated insulation voltage                | 300 V 3)UL 508<br>300 V 3)CSA C22.2 No 14                                                               |
| Electrical durability                        | 100000 cycles                                                                                           |
| Mechanical durability                        | 10000000 cycles                                                                                         |
| Marking                                      | UL<br>CSA<br>CE                                                                                         |
| Sale per indivisible quantity                | 1                                                                                                       |
| Height                                       | 1.75 in (44.45 mm)                                                                                      |
| Width                                        | 1.56 in (39.62 mm)                                                                                      |
| Depth                                        | 0.62 in (15.75 mm)                                                                                      |
| Net Weight                                   | 1.2 lb(US) (0.54 kg)                                                                                    |

## Environment

|                                       |                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Shock resistance                      | 35 gn 9 ms IEC 60068-2-27                                                                                             |
| Vibration resistance                  | 10 gn 75...1200 Hz)IEC 60068-2-6                                                                                      |
| NEMA degree of protection             | NEMA 1 Nema type 250<br>NEMA 2 Nema type 250<br>NEMA 4 Nema type 250<br>NEMA 6 Nema type 250<br>NEMA 6P Nema type 250 |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                                          |
| Ambient Air Temperature for Operation | -40...220 °F (-40...104 °C)                                                                                           |
| Ambient Air Temperature for Storage   | -40...220 °F (-40...104 °C)                                                                                           |
| Protective treatment                  | Epoxy powder coat                                                                                                     |
| Product Certifications                | CSA<br>CE<br>UL                                                                                                       |
| Standards                             | E78403<br>LR 25490 Class 32 11 03                                                                                     |

## Ordering and shipping details

|                   |                                  |
|-------------------|----------------------------------|
| Category          | 22431-LIMIT SWITCHES,TYPE 9007MS |
| Discount Schedule | DS1                              |
| GTIN              | 785901319542                     |
| Returnability     | No                               |
| Country of origin | MX                               |

## Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Number of Units in Package 1 | 1                    |
| Package 1 Height             | 3.81 in (9.677 cm)   |
| Package 1 Width              | 1.50 in (3.81 cm)    |
| Package 1 Length             | 9.68 in (24.581 cm)  |
| Package 1 Weight             | 19.20 oz (544.311 g) |

## Offer Sustainability

|                           |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| REACH Regulation          | <a href="#"> REACH Declaration</a>                                                                                                                                                                                                                                                             |
| EU RoHS Directive         | Not applicable, out of EU RoHS legal scope                                                                                                                                                                                                                                                                                                                                        |
| Environmental Disclosure  | <a href="#"> Product Environmental Profile</a>                                                                                                                                                                                                                                                 |

## Contractual warranty

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