

# Product data sheet

## Characteristics

# 9007MS04G0510

9007MS limit switch - rotary spring rtn. \_ CW & CCW - 18' bottom cable



## 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                 | Rotary head      |
| Material                  | Metal            |
| Body material             | Cast zinc        |
| Number of poles           | 1                |

## Complementary

|                                              |                                                                                         |
|----------------------------------------------|-----------------------------------------------------------------------------------------|
| Fixing mode                                  | By the body                                                                             |
| Movement of operating head                   | Rotary                                                                                  |
| Type of operator                             | Spring return without operating lever -                                                 |
| Type of approach                             | Lateral approach, 2 directions                                                          |
| Switch actuation                             | CW and CCW<br>From left and right                                                       |
| Contacts type and composition                | NC-NO                                                                                   |
| Switch function                              | SPDT                                                                                    |
| Contact form                                 | Form C                                                                                  |
| Contacts material                            | Gold flashed contacts                                                                   |
| Contact operation                            | Snap action                                                                             |
| Positive opening                             | Without                                                                                 |
| Electrical connection                        | Pre-wired cable bottom                                                                  |
| Type of cable                                | SJTO AWG 18), 18 ft (5.49 m), Gray                                                      |
| Terminals description ISO n°1                | (Black)Com<br>(Red)NC<br>(White)NO<br>(green-yellow)gnd                                 |
| Wire insulation material                     | PVC                                                                                     |
| Minimum torque for tripping                  | 48 ozf.in                                                                               |
| Maximum actuation speed                      | 130 Ft/Min with 30° cam angle, levers only<br>90 ft/min with 45° cam angle, levers only |
| Tripping angle                               | 35 °                                                                                    |
| Maximum displacement angle                   | 70 °                                                                                    |
| [Ie] rated operational current               | 100 MA 125 V AC<br>30 mA 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                                      | CE<br>CSA<br>UL                                                                         |
| Sale per indivisible quantity                | 1                                                                                       |
| Height                                       | 2.49 in (63.25 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 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                | UL<br>CE<br>CSA                                                                                                       |
| Standards                             | LR 25490 Class 32 11 03<br>E78403                                                                                     |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22431 - LIMIT SWITCHES,TYPE 9007MS |
| Discount Schedule     | DS1                                |
| GTIN                  | 00785901169215                     |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 1.2 lb(US) (0.54 kg)               |
| Returnability         | No                                 |
| Country of origin     | MX                                 |

## Packing Units

|                        |                       |
|------------------------|-----------------------|
| Unit Type of Package 1 | PCE                   |
| Package 1 Height       | 19.05 in (48.387 cm)  |
| Package 1 width        | 7.50 in (19.05 cm)    |
| Package 1 Length       | 48.39 in (122.903 cm) |

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