

# Product data sheet

## Characteristics

# 9007MS04G0106

## 9007MS limit switch - rotary spring rtn. \_ CW & CCW - 3' side 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              | From left and right<br>CW and CCW                       |
| 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 side                                    |
| Type of cable                 | SJTO cable (AWG 18), 3 ft, yellow                       |
| Terminals description ISO n°1 | (Green-yellow)Gnd<br>(Black)Com<br>(White)NO<br>(Red)NC |
| Wire insulation material      | PVC   |
| Minimum torque for tripping   | 48 ozf.in   |

Disclaimer: 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

|  |   |
|--|---|
| Maximum actuation speed                      | 90 ft/min with 45° cam angle, levers only<br>130 ft/min with 30° cam angle, levers only                       |
| Tripping angle                               | 40 °  |
| Maximum displacement angle                   | 70 °  |
| [Ie] rated operational current               | 100 mA at 125 V AC<br>30 mA at 28 V DC  |
| [Ithe] conventional enclosed thermal current | 10 A  |
| [Ui] rated insulation voltage                | 300 V degree of pollution 3 conforming to CSA C22.2 No 14<br>300 V degree of pollution 3 conforming to UL 508 |
| Electrical durability                        | 100000 cycles   |
| Mechanical durability                        | 10000000 cycles   |
| Marking                                      | CE<br>CSA<br>UL   |
| Sale per indivisible quantity                | 1   |
| Height                                       | 2.49 in   |
| Width  | 1.56 in   |
| Depth  | 0.62 in   |
| Product weight                               | 1.2 lb(US)  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Shock resistance                      | 35 gn (duration = 9 ms) conforming to IEC 60068-2-27  |
| Vibration resistance                  | 10 gn (f = 75...1200 Hz) conforming to IEC 60529  |
| NEMA degree of protection             | 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<br>NEMA 1 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                | CE<br>CSA<br>UL   |
| Standards                             | LR 25490 Class 32 11 03<br>E78403   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| RoHS (date code: YYWW)           | Will not be compliant<br><b>Will not be compliant</b>   |
| REACH                            | Reference not containing SVHC above the threshold<br><b>Reference not containing SVHC above the threshold</b> |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations   |

## Contractual warranty

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