



## 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 head                                                                                                                               |
| Movement of operating head                   | Linear                                                                                                                                    |
| Type of operator                             | Spring return cross roller plunger steel (bushing mounted)                                                                                |
| Type of approach                             | Traverse 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 cable (AWG 18), 12 ft, yellow                                                                                                        |
| Terminals description ISO n°1                | (green-yellow)gnd<br>(black)com<br>(white)NO<br>(red)NC                                                                                   |
| Wire insulation material                     | PVC                                                                                                                                       |
| Maximum force for tripping                   | 80 ozf                                                                                                                                    |
| [Ie] rated operational current               | 6 Aat 120 V AC, A300 conforming to NEMA rating designation<br>3 Aat 240 V AC, A300 conforming to NEMA rating designation<br>5 Aat 28 V DC |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                      |
| [Ui] rated insulation voltage                | 300 V degree of pollution 3 conforming to UL 508<br>300 V degree of pollution 3 conforming to 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                                       | 1.75 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 |
|------------------|------------------------------------------------------|

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|                                       |                                                                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vibration resistance                  | 10 gn (f = 75...1200 Hz) conforming to IEC 60529                                                                                                                                            |
| 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                | CE<br>CSA<br>UL                                                                                                                                                                             |
| standards                             | LR 25490 Class 32 11 03<br>E78403                                                                                                                                                           |

## Offer Sustainability

|                                                                                                                           |                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                 | Not Green Premium product                                                                                                 |
| Will not be Compliant                                                                                                     | Will not be Compliant                                                                                                     |
| Reference not containing SVHC above the threshold                                                                         | Reference not containing SVHC above the threshold                                                                         |
| Available                                                                                                                 | Available                                                                                                                 |
| Need no specific recycling operations                                                                                     | Need no specific recycling operations                                                                                     |
| WARNING: This product can expose you to chemicals including:                                                              | WARNING: This product can expose you to chemicals including:                                                              |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                               | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                               |
| Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Diisodecyl 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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                             |

## Contractual warranty

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