

## Limit switch, 9007, 9007C 1 NO/NC, top roller plunger



### Main

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Range of product              | 9007                                            |
| Series name                   | Heavy duty                                      |
| Product or component type     | Limit switch                                    |
| Product specific application  | Standard box                                    |
| Device short name             | 9007C                                           |
| Body type                     | Plug-in                                         |
| Head type                     | Plunger head                                    |
| Material                      | Metal                                           |
| Fixing mode                   | By the body                                     |
| Movement of operating head    | Linear                                          |
| Type of operator              | Steel spring return roller plunger (-)          |
| Switch actuation              | By 30° cam                                      |
| Type of approach              | Lateral approach, 2 directions                  |
| Electrical connection         | Screw-clamp terminals (AWG 22...AWG 12), 1...2  |
| Cable entry                   | 1 entry for 1/2" - 14 NPT conforming to BS 4568 |
| Number of poles               | 1                                               |
| Contacts type and composition | NC-NO                                           |
| Contact operation             | Snap action                                     |
| Positive opening              | Without                                         |
| Sale per indivisible quantity | 1                                               |

### Complementary

|                                              |                                                                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Body material                                | Zinc                                                                                                                                            |
| Head material                                | Zinc                                                                                                                                            |
| Function available                           | -                                                                                                                                               |
| Switch function                              | SPDT-DB                                                                                                                                         |
| Contact form                                 | Form Z                                                                                                                                          |
| Contacts material                            | Silver contacts                                                                                                                                 |
| Terminals description ISO n°1                | (3-4)NO<br>(1-2)NC                                                                                                                              |
| Minimum force for tripping                   | 3 lbf                                                                                                                                           |
| Repeat accuracy                              | +/- 0.001 in linear travel of cam                                                                                                               |
| [Ie] rated operational current               | 6 A at 120 V AC, A150 conforming to NEMA<br>0.55 A at 120 V DC                                                                                  |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                            |
| [Ui] rated insulation voltage                | 600 V (pollution degree 3) conforming to UL 508 for contact block<br>600 V (pollution degree 3) conforming to CSA C22.2 No 14 for contact block |
| [Uimp] rated impulse withstand voltage       | 2.5 KV AC 1 min conforming to CE<br>2.2 KV AC 1 min conforming to UL<br>2.64 kV AC 1 s conforming to CSA                                        |
| Short-circuit protection                     | 10 A by CC fuse, protection type: non-time delay                                                                                                |
| Electrical durability                        | 1000000 cycles                                                                                                                                  |
| Local signalling                             | 1 LED indicator light (light ON or OFF selectable by jumper when switch is actuated) at 24...120 V AC/DC service life: 100000 h                 |
| Mechanical durability                        | 10000000 cycles                                                                                                                                 |

|            |           |
|------------|-----------|
| Width      | 39.37 mm  |
| Height     | 126.49 mm |
| Depth      | 45.47 mm  |
| Net weight | 0.57 kg   |

## Environment

|                                       |                                                                                                                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock resistance                      | 60 gn for 9 ms conforming to IEC 60068-2-27                                                                                                                                                                                                                               |
| Vibration resistance                  | 25 gn (f= 10...150 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<br>NEMA 12 conforming to Nema type 250<br>NEMA 13 conforming to Nema type 250 |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                                                                                                                                                                                              |
| Electrical shock protection class     | Class 0 conforming to IEC 61140                                                                                                                                                                                                                                           |
| Ambient air temperature for operation | -29...85 °C for standard environment                                                                                                                                                                                                                                      |
| Ambient air temperature for storage   | -20...185 °F                                                                                                                                                                                                                                                              |
| Environmental characteristic          | Standard environment                                                                                                                                                                                                                                                      |
| Protective treatment                  | Epoxy powder coat                                                                                                                                                                                                                                                         |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.064 cm  |
| Package 1 Width              | 5.08 cm   |
| Package 1 Length             | 13.208 cm |
| Package 1 Weight             | 566.991 g |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|----------|-----------|