



### Main

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| Range of product              | 9007                                                                |
| Series name                   | Heavy duty                                                          |
| Product or component type     | Limit switch                                                        |
| Product specific application  | Hazardous location box                                              |
| Device short name             | 9007CR                                                              |
| Body type                     | Fixed                                                               |
| Head type                     | Rotary head                                                         |
| Material                      | Metal                                                               |
| Fixing mode                   | By the body                                                         |
| Movement of operating head    | Rotary                                                              |
| Type of operator              | Zinc spring return without operating lever (-)9007C lever           |
| Switch actuation              | CW and CCW<br>From left and right                                   |
| Type of approach              | Lateral approach, 1 or 2 programmable direction                     |
| Electrical connection         | Screw-clamp terminals (AWG 22...AWG 12), 1...2                      |
| Cable entry                   | 1 entry for 1/2" - 14 NPT conforming to ANSI B1.20.1                |
| Number of poles               | 1                                                                   |
| Contacts type and composition | NC-NO                                                               |
| Contact operation             | Snap action                                                         |
| Positive opening              | Without                                                             |
| Level or class                | Class I Division 1 Groups B/C/D<br>Class II Division 1 Groups E/F/G |
| Sale per indivisible quantity | 1                                                                   |

### Complementary

|                               |                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------|
| Body material                 | Aluminium                                                                               |
| 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 torque for tripping   | 0.5 N.m                                                                                 |
| Maximum actuation speed       | 90 Ft/Min with 45° cam angle, levers only<br>130 ft/min with 30° cam angle, levers only |
| Tripping angle                | 10 °                                                                                    |
| Maximum displacement angle    | 90 °                                                                                    |
| Repeat accuracy               | +/- 0.002 in linear travel of cam                                                       |

|                                              |                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] rated operational current               | 1.2 A at 600 V AC, A600 conforming to NEMA<br>1.5 A at 480 V AC, A600 conforming to NEMA<br>3 A at 240 V AC, A600 conforming to NEMA<br>6 A at 120 V AC, A600 conforming to NEMA<br>0.1 A at 600 V DC, Q600 conforming to NEMA<br>0.27 A at 250 V AC, Q600 conforming to NEMA<br>0.55 A at 125 V DC, Q600 conforming to NEMA |
| [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                             | without                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                        | 10000000 cycles                                                                                                                                                                                                                                                                                                              |
| Width                                        | 69.09 mm                                                                                                                                                                                                                                                                                                                     |
| Height                                       | 154.9 mm                                                                                                                                                                                                                                                                                                                     |
| Depth                                        | 70.87 mm                                                                                                                                                                                                                                                                                                                     |
| Net weight                                   | 1.1 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 hazardous location                                                                                                                                                                                                                                        |
| 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             | 8.128 cm   |
| Package 1 Width              | 9.398 cm   |
| Package 1 Length             | 16.51 cm   |
| Package 1 Weight             | 997.903 g  |
| Unit Type of Package 2       | PAL        |
| Number of Units in Package 2 | 125        |
| Package 2 Height             | 101.6 cm   |
| Package 2 Width              | 101.6 cm   |
| Package 2 Length             | 121.92 cm  |
| Package 2 Weight             | 125.872 kg |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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 |
|----------|-----------|