



#### Main

|                              |              |
|------------------------------|--------------|
| Range of product             | 9007         |
| Series name                  | Heavy duty   |
| Product or component type    | Limit switch |
| Device short name            | 9007AW       |
| Product specific application | Precision    |
| Body type                    | Fixed        |

#### Complementary

|                                              |                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting mode                                | Surface mounting deep box                                                                                                                                                                                                                                                                                                  |
| Operator profile                             | Rotary head                                                                                                                                                                                                                                                                                                                |
| Material                                     | Metal                                                                                                                                                                                                                                                                                                                      |
| Body material                                | Cast zinc                                                                                                                                                                                                                                                                                                                  |
| Operator material                            | Cast zinc                                                                                                                                                                                                                                                                                                                  |
| Fixing mode                                  | By the body                                                                                                                                                                                                                                                                                                                |
| Movement of operating head                   | Rotary                                                                                                                                                                                                                                                                                                                     |
| Type of operator                             | Spring return without operating lever cast zinc                                                                                                                                                                                                                                                                            |
| Switch actuation                             | CCW convertible to CW<br>From left convertible to right                                                                                                                                                                                                                                                                    |
| Type of approach                             | Lateral approach, 1 direction programmable                                                                                                                                                                                                                                                                                 |
| Electrical connection                        | 1...2 cables for screw-clamp terminals (AWG 22...AWG 12)                                                                                                                                                                                                                                                                   |
| 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, switch function: SPDT-DB                                                                                                                                                                                                                                                                                            |
| Contact form                                 | Form Z                                                                                                                                                                                                                                                                                                                     |
| Contact operation                            | Snap action                                                                                                                                                                                                                                                                                                                |
| Number of steps                              | 1                                                                                                                                                                                                                                                                                                                          |
| Contacts material                            | Silver contacts                                                                                                                                                                                                                                                                                                            |
| Positive opening                             | Without                                                                                                                                                                                                                                                                                                                    |
| Terminals description ISO n°1                | (1-2)NC<br>(3-4)NO                                                                                                                                                                                                                                                                                                         |
| Minimum torque for tripping                  | 0.31 N.m                                                                                                                                                                                                                                                                                                                   |
| Tripping angle                               | 5 °                                                                                                                                                                                                                                                                                                                        |
| Maximum displacement angle                   | 30 °                                                                                                                                                                                                                                                                                                                       |
| Maximum actuation speed                      | 130 Ft/Min with 30° cam angle, levers only<br>90 ft/min with 45° cam angle, levers only                                                                                                                                                                                                                                    |
| Repeat accuracy                              | +/- 0.002 in linear travel of cam on 1.38 in long lever arm                                                                                                                                                                                                                                                                |
| [Ie] rated operational current               | 5 A at 600 V AC, A600 conforming to NEMA rating designation<br>6 A at 480 V AC, A600 conforming to NEMA rating designation<br>10 A at 240 V AC, A600 conforming to NEMA rating designation<br>15 A at 120 V AC, A600 conforming to NEMA rating designation<br>0.02 A at 600 V DC<br>0.2 A at 250 V DC<br>0.5 A at 125 V DC |
| [Ithe] conventional enclosed thermal current | 15 A                                                                                                                                                                                                                                                                                                                       |
| [Ui] rated insulation voltage                | 600 V (pollution degree 3) conforming to UL 508 for contact block<br>600 V conforming to CSA C22.2 No 14 for contact block                                                                                                                                                                                                 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|            |          |
|------------|----------|
| Width      | 76.2 mm  |
| Height     | 93.47 mm |
| Depth      | 36.58 mm |
| Net weight | 0.57 kg  |

## Environment

|                                       |                                                                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 12 conforming to Nema type 250<br>NEMA 13 conforming to Nema type 250 |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                                                                                                                 |
| Ambient air temperature for operation | -65...185 °F                                                                                                                                                                                 |
| Ambient air temperature for storage   | -65...185 °F                                                                                                                                                                                 |
| Protective treatment                  | Epoxy powder coat                                                                                                                                                                            |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 32.258 cm |
| Package 1 Width              | 12.7 cm   |
| Package 1 Length             | 81.935 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 |
|----------|-----------|