



### Main

|                               |                      |
|-------------------------------|----------------------|
| Range of product              | L525                 |
| Series name                   | Severe duty mill     |
| Product or component type     | Limit switch         |
| Product specific application  | Belt conveyor switch |
| Device short name             | L525                 |
| Body type                     | Fixed                |
| Head type                     | Rotary head          |
| Sale per indivisible quantity | 1                    |

### Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base plate style                             | Style 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Body material                                | Cast aluminium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fixing mode                                  | By the body                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type of operator                             | spring return without operating lever                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Contact sequence number                      | 58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function available                           | 2 stages sequential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Switch actuation                             | From left<br>CW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type of approach                             | Lateral approach                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Electrical connection                        | 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                              | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Contacts type and composition                | 2 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Switch function                              | DPST-NC-DB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Contact form                                 | Form YY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Contacts material                            | 90/10 AgCdO on copper backing stationary contact<br>Silver on steel backing moveable contact                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contacts usage                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Contact operation                            | Snap action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Positive opening                             | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Minimum torque for tripping                  | 150 ozf.in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Maximum actuation speed                      | 90 Ft/Min with 45° cam angle, levers only<br>130 ft/min with 30° cam angle, levers only                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tripping angle                               | 12 ° for conveyor belt monitoring and stopping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum displacement angle                   | 80 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Contact code designation                     | A600, AC (Ue = 600 V) Ie = 5 A conforming to NEMA rating designation<br>A600, AC (Ue = 480 V) Ie = 6.25 A conforming to NEMA rating designation<br>A600, AC (Ue = 240 V) Ie = 12.5 A conforming to NEMA rating designation<br>A600, AC (Ue = 120 V) Ie = 20 A conforming to NEMA rating designation<br>P600, DC (Ue = 600 V) Ie = 0.2 A conforming to NEMA rating designation<br>P600, DC (Ue = 250 V) Ie = 1 A conforming to NEMA rating designation<br>P600, DC (Ue = 120 V) Ie = 5 A conforming to NEMA rating designation |
| [Ithe] conventional enclosed thermal current | 20 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Ui] rated insulation voltage                | 600 V (pollution degree 3) conforming to IEC 60947-1<br>600 V (pollution degree 3) conforming to UL 508<br>600 V (pollution degree 3) conforming to CSA C22.2 No 14                                                                                                                                                                                                                                                                                                                                                           |
| [Uimp] rated impulse withstand voltage       | 2.5 kV AC for 1 minute conforming to CE<br>2.2 kV AC for 1 minute conforming to UL<br>2.64 kV AC for 1 minute conforming to CSA                                                                                                                                                                                                                                                                                                                                                                                               |

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Short-circuit protection      | 20 A Bussmann class CC KTK-R-20 non-time delay      |
| Width                         | 57.15 mm                                            |
| Height                        | 125.73 mm                                           |
| Depth                         | 51.56 mm                                            |
| Net weight                    | 0.7 kg                                              |
| Terminals description ISO n°1 | (5-6) right side contact<br>(1-2) left side contact |

## Environment

|                                       |                                                                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock resistance                      | 30 gn for 9 ms conforming to IEC 60068-2-27                                                                                                                                                  |
| Vibration resistance                  | 10 gn (f= 10...55 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 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 | -10...185 °F                                                                                                                                                                                 |
| Ambient air temperature for storage   | -10...185 °F                                                                                                                                                                                 |
| Protective treatment                  | Corrosion resistant gray paint                                                                                                                                                               |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 6.1 cm  |
| Package 1 Width              | 7.6 cm  |
| Package 1 Length             | 13.5 cm |
| Package 1 Weight             | 675.9 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 |
|----------|-----------|