

## 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                      | 57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function available                           | 2 stages sequential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Switch actuation                             | CCW<br>From right                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Switch function                              | DPST-NO-DB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contact form                                 | Form XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 (degree of pollution: 3) conforming to IEC 60947-1<br>600 V (degree of pollution: 3) conforming to UL 508<br>600 V (degree of pollution: 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 fuse with non-time delay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Width                                        | 2.25 in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Height                                       | 4.95 in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Depth                         | 3.41 in                                             |
| Product weight                | 1.5 lb(US)                                          |
| Terminals description ISO n°1 | (1-2) left side contact<br>(5-6) right side contact |

## Environment

|                                       |                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| shock resistance                      | 30 gn 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 Nema type 250<br>NEMA 2 Nema type 250<br>NEMA 4 Nema type 250<br>NEMA 12 Nema type 250<br>NEMA 13 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                                                                                         |

## 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                                |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | 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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

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