

## Main

|                               |                  |
|-------------------------------|------------------|
| Range of product              | L100/300         |
| Series name                   | Severe duty mill |
| Product or component type     | Limit switch     |
| Product specific application  | Mill switch      |
| Device short name             | L100<br>L300     |
| 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                      | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function available                           | Neutral position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Switch actuation                             | From left<br>CW and CCW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 style                               | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Contact operation                            | Snap action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Positive opening                             | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Minimum torque for tripping                  | 170 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                               | 9 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Maximum displacement angle                   | 70 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Repeat accuracy                              | +/- 0.03 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

The information provided in this documentation contains general descriptions and/or technical characteristics 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Height                        | 4.95 in                                             |
| Depth                         | 3.41 in                                             |
| Product weight                | 1.5 lb(US)                                          |
| Terminals description ISO n°1 | (1-2) left side contact<br>(3-4) 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 |
|-----------------|-----------|