



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 | L300 L100 |
| 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 | 34 |
| Function available | Neutral position |
| Switch actuation | CW and CCW From left or right |
| Type of approach | Lateral approach |
| Electrical connection | Screw-clamp terminals (AWG 22...AWG 12) |
| Cable entry | 1 entry for M20 - 20 mm conforming to ANSI B1.20.1 |
| Number of poles | 2 |
| Contacts type and composition | 2 NC |
| CW operation contacts | 1 NC + 1 NO |
| CCW operation contacts | 1 NC + 1 NO |
| Contacts style | D |
| Switch function | DPST-NC-DB |
| Contact form | Form YY |
| Contacts material | 90/10 AgCdO on copper backing stationary contact Silver on steel backing moveable contact |
| Contacts usage | - |

Disclaimer: 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

| | |
|--|---|
| 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 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 A600 , AC (Ue = 480 V, Ie = 6.25 A) conforming to NEMA rating designation A600 , AC (Ue = 240 V, Ie = 12.5 A) conforming to NEMA rating designation A600 , AC (Ue = 120 V, Ie = 20 A) conforming to NEMA rating designation P600 , DC (Ue = 600 V, Ie = 0.2 A) conforming to NEMA rating designation P600 , DC (Ue = 250 V, Ie = 1 A) conforming to NEMA rating designation 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 UL 508 600 V (degree of pollution: 3) conforming to CSA C22.2 No 14 600 V (degree of pollution: 3) conforming to IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 2.5 kV AC for 1 minute conforming to CE 2.2 kV AC for 1 minute conforming to UL 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 |
| Depth | 3.41 in |
| Product weight | 1.5 lb(US) |
| Terminals description ISO n°1 | (1-2) left side contact (3-4) right 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 Nema type 250 NEMA 2 Nema type 250 NEMA 4 Nema type 250 NEMA 12 Nema type 250 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 |

Contractual warranty

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