# Product data sheet
## Characteristics

# HL100WNCS2M34
## L100 mill limit switch - 2 contacts - spring return - CW+CCW - 1/2" NPT




### 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<br>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<br>From left or right |
| Type of approach | Lateral approach |
| Electrical connection | Screw-clamp terminals AWG 22...AWG 12 |
| Cable entry | 1 entry for 1/2" - 14 NPT 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<br>Silver on steel backing moveable contact |
| Contacts usage | - |
| 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 NEMA rating designation<br>A600, AC (Ue = 480 V) Ie = 6.25 A NEMA rating designation<br>A600, AC (Ue = 240 V) Ie = 12.5 A NEMA rating designation<br>A600, AC (Ue = 120 V) Ie = 20 A NEMA rating designation<br>P600, DC (Ue = 600 V) Ie = 0.2 A NEMA rating designation<br>P600, DC (Ue = 250 V) Ie = 1 A NEMA rating designation<br>P600, DC (Ue = 120 V) Ie = 5 A NEMA rating designation |
| [Ithe] conventional enclosed thermal current | 20 A |

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|---|---|
| [Ui] rated insulation voltage | 600 V 3)IEC 60947-1<br>600 V 3)UL 508<br>600 V 3)CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 2.5 KV AC for 1 minute CE<br>2.2 KV AC for 1 minute UL<br>2.64 kV AC for 1 minute CSA |
| Short-circuit protection | 20 A Bussmann class CC KTK-R-20 non-time delay |
| Maximum Width | 2.25 in (57.15 mm) |
| Height | 4.95 in (125.73 mm) |
| Maximum Depth | 3.41 in (86.61 mm) |
| Net Weight | 1.5 lb(US) (0.68 kg) |
| Terminals description ISO n°1 | (1-2) left side contact<br>(3-4) right side contact |

## Environment

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|---|---|
| Shock resistance | 30 gn 9 ms IEC 60068-2-27 |
| Vibration resistance | 10 gn 10…55 Hz)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 IEC 60529 |
| Electrical shock protection class | Class 0 IEC 61140 |
| Ambient air temperature for operation | 0…350 °F (-18…177 °C) |
| Ambient air temperature for storage | 0…350 °F (-18…177 °C) |
| Protective treatment | Corrosion resistant gray paint |

## Ordering and shipping details

| | |
|---|---|
| Category | 22426 - LIMIT SWITCHES,TYPE L |
| Discount Schedule | DS1 |
| GTIN | 00785901635772 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.5 lb(US) (0.68 kg) |
| Returnability | No |
| Country of origin | MX |

## Packing Units

| | |
|---|---|
| Package 1 Height | 2.30 in (5.842 cm) |
| Package 1 width | 2.80 in (7.112 cm) |
| Package 1 Length | 5.10 in (12.954 cm) |

## Offer Sustainability

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|---|---|
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Environmental Disclosure | Product Environmental Profile |

## Contractual warranty

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| Warranty | 18 months |