



### Main

|                               |                     |
|-------------------------------|---------------------|
| Range of Product              | L100/300            |
| Series name                   | Severe duty foundry |
| Product or Component Type     | Limit switch        |
| Product Specific Application  | Foundry 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                      | 2                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function Available                           | -                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Switch actuation                             | From right<br>CCW                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CW operation contacts                        | 1 NC + 1 NO                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CCW operation contacts                       | 1 NC + 1 NO                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Contacts style                               | A                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Switch Function                              | DPDT-DB                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Contact form                                 | Form Zb                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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                  | 190 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                               | 17 °                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Maximum displacement angle                   | 80 °                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| [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                                        |
| Width                                  | 2.25 in (57.15 mm)                                                                    |
| Height                                 | 4.95 in (125.73 mm)                                                                   |
| Depth                                  | 2.03 in (51.56 mm)                                                                    |
| Product 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

|                                       |                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 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 conforming to IEC 60529                                                                                           |
| Electrical shock protection class     | Class 0 IEC 61140                                                                                                      |
| Ambient Air Temperature for Operation | -10...185 °F (-23...85 °C)                                                                                             |
| Ambient Air Temperature for Storage   | -10...185 °F (-23...85 °C)                                                                                             |
| Protective treatment                  | Corrosion resistant gray paint                                                                                         |

## Ordering and shipping details

|                   |                             |
|-------------------|-----------------------------|
| Category          | 22426-LIMIT SWITCHES,TYPE L |
| Discount Schedule | DS1                         |
| GTIN              | 785901170013                |
| Returnability     | No                          |
| Country of origin | MX                          |

## Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Number of Units in Package 1 | 1                    |
| Package 1 Height             | 12.70 in (32.258 cm) |
| Package 1 Width              | 5.00 in (12.7 cm)    |
| Package 1 Length             | 32.26 in (81.935 cm) |
| Package 1 Weight             | 24.00 oz (680.389 g) |

## Offer Sustainability

|                           |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| REACH Regulation          |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                             |
| EU RoHS Directive         | Not applicable, out of EU RoHS legal scope                                                                                                                                                                                                                                                                                                                                        |
| Environmental Disclosure  |  <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                 |

## Contractual warranty

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