Product data sheet

Specifications

Discontinued

Limit switch, L100/300, L300 foundry 2 contacts, maintained, CW+CCW, 1/2" NPT

L300WDR2M6

Discontinued on: 20 April 2022

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 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	6
Function available	-
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 1/2" - 14 NPT conforming to ANSI B1.20.1
Number of poles	2
CW operation contacts	2 NC
CCW operation contacts	2 NO
Contacts style	A
Switch function	DPST-NO-DB
Contact form	Form XX
Contacts material	90/10 AgCdO on copper backing stationary contact Silver on steel backing moveable contact

Contacts usage	Maintained
Contact operation	Snap action
Positive opening	Without
Minimum torque for tripping	45 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	17 °
Maximum displacement angle	80 °
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 (pollution degree 3) conforming to IEC 60947-1 600 V (pollution degree 3) conforming to UL 508 600 V (pollution degree 3) conforming to CSA C22.2 No 14
[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 non-time delay
Width	57.15 mm
Height	125.73 mm
Depth	51.56 mm
Product weight	0.68 kg
Terminals description ISO n°1	(3-4) right side contact (5-6) left 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 conforming to Nema type 250 NEMA 2 conforming to Nema type 250 NEMA 4 conforming to Nema type 250 NEMA 12 conforming to Nema type 250 NEMA 13 conforming to 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	-23…85 °C
Ambient air temperature for storage	-23…85 °C
Protective treatment	Corrosion resistant gray paint

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	45.161 cm
Package 1 Width	17.78 cm

Package 1 Length	114.709 cm
Package 1 Weight	680.389 g

Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	Product Environmental Profile
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 www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Recommended replacement(s)

L300WDR2M6 is replaced by the following product range:

Nema Limit Switches

Limit switches NEMA Square D™ 9007, L100/300

Products: 787