

# Product data sheet

Specifications



Limit switch, L100/300, L300 foundry  
2 contacts, spring return, CW, 1/2"  
NPT

L300WS2M1

## 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	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	1
Function available	-
Switch actuation	CW From left
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 Silver on steel backing moveable contact
Contacts usage	-

<b>Contact operation</b>	Snap action
<b>Positive opening</b>	Without
<b>Minimum torque for tripping</b>	190 ozf.in
<b>Maximum actuation speed</b>	90 ft/min with 45° cam angle, levers only 130 ft/min with 30° cam angle, levers only
<b>Tripping angle</b>	17 °
<b>Maximum displacement angle</b>	80 °
<b>Repeat accuracy</b>	+/- 0.03 %
<b>Contact code designation</b>	A600, AC (Ue = 600 V) Ie = 5 A NEMA rating designation A600, AC (Ue = 480 V) Ie = 6.25 A NEMA rating designation A600, AC (Ue = 240 V) Ie = 12.5 A NEMA rating designation A600, AC (Ue = 120 V) Ie = 20 A NEMA rating designation P600, DC (Ue = 600 V) Ie = 0.2 A NEMA rating designation P600, DC (Ue = 250 V) Ie = 1 A NEMA rating designation P600, DC (Ue = 120 V) Ie = 5 A NEMA rating designation
<b>[Ithe] conventional enclosed thermal current</b>	20 A
<b>[Ui] rated insulation voltage</b>	600 V 3)IEC 60947-1 600 V 3)UL 508 600 V 3)CSA C22.2 No 14
<b>[Uimp] rated impulse withstand voltage</b>	2.5 kV AC for 1 minute CE 2.2 kV AC for 1 minute UL 2.64 kV AC for 1 minute CSA
<b>Short-circuit protection</b>	20 A Bussmann class CC KTK-R-20 non-time delay
<b>Width</b>	2.25 in (57.15 mm)
<b>Height</b>	4.95 in (125.73 mm)
<b>Depth</b>	2.03 in (51.56 mm)
<b>Product weight</b>	1.5 lb(US) (0.68 kg)
<b>Terminals description ISO n°1</b>	(1-2) left side contact (3-4) right side contact
<b>Environment</b>	
<b>Shock resistance</b>	30 gn 9 ms IEC 60068-2-27
<b>Vibration resistance</b>	10 gn 10...55 Hz)IEC 60068-2-6
<b>NEMA degree of protection</b>	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
<b>IP degree of protection</b>	IP67 IEC 60529
<b>Electrical shock protection class</b>	Class 0 IEC 61140
<b>Ambient air temperature for operation</b>	-10...185 °F (-23...85 °C)
<b>Ambient air temperature for storage</b>	-10...185 °F (-23...85 °C)
<b>Protective treatment</b>	Corrosion resistant gray paint
<b>Packing Units</b>	
<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	12.70 in (32.258 cm)
<b>Package 1 Width</b>	5.00 in (12.7 cm)
<b>Package 1 Length</b>	32.26 in (81.935 cm)

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Package 1 Weight 24.00 oz (680.389 g)

**Offer Sustainability**

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REACH Regulation [REACH Declaration](#)

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EU RoHS Directive Not applicable, out of EU RoHS legal scope

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Environmental Disclosure [Product Environmental Profile](#)

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**Contractual warranty**

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Warranty 18 months

**Recommended replacement(s)**