

Product data sheet

Specifications



Limit switch, L100/300, 600 V 10amp type I +options

L100WDL2M7

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	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	7
Function available	-
Switch actuation	From right 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	2 NO
CCW operation contacts	2 NC
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	-

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 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 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
[Ithe] conventional enclosed thermal current	20 A
[Ui] rated insulation voltage	600 V 3)IEC 60947-1 600 V 3)UL 508 600 V 3)CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	2.5 kV AC for 1 minute CE 2.2 kV AC for 1 minute UL 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	3.41 in (86.61 mm)
Product weight	1.5 lb(US) (0.68 kg)
Terminals description ISO n°1	(5-6) right side contact (1-2) left 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 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 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
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
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)

Package 1 Weight 24.00 oz (680.389 g)

Offer Sustainability

REACH Regulation [REACH Declaration](#)

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

Environmental Disclosure [Product Environmental Profile](#)

Contractual warranty

Warranty 18 months

Recommended replacement(s)