

Product data sheet

Characteristics

ML100WTR2M11

L100 mill limit switch - 3 contacts - spring return - CCW - M20



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 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	11
Function available	-
Switch actuation	CCW From right
Type of approach	Lateral approach
Electrical connection	Screw-clamp terminals (AWG 22...AWG 12)
Cable entry	1 entry for M20 - 20 mm conforming to ANSI B1.20.1
Number of poles	3
CW operation contacts	2 NC + 1 NO
CCW operation contacts	1 NC + 2 NO
Contacts style	A
Switch function	TPDT-DB
Contact form	Form XYY
Contacts material	90/10 AgCdO on copper backing stationary contact Silver on steel backing moveable contact
Contacts usage	-
Contact operation	Snap action

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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) 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 (degree of pollution: 3) conforming to UL 508 600 V (degree of pollution: 3) conforming to CSA C22.2 No 14 600 V (degree of pollution: 3) conforming to IEC 60947-1
[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 fuse with non-time delay
Width	2.25 in
Height	4.95 in
Depth	3.41 in
Product weight	1.5 lb(US)
Terminals description ISO n°1	(1-2) left side contact (3-4) right side contact (5-6) center 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 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 conforming to IEC 60529
Electrical shock protection class	Class 0 conforming to IEC 61140
Ambient air temperature for operation	-10...185 °F
Ambient air temperature for storage	-10...185 °F
Protective treatment	Corrosion resistant gray paint

Contractual warranty

Warranty period	18 months
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