

HL100WTL2M14

L100 mill limit switch - 3 contacts - spring return
- CW - 3/4" NPT



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[RETURN]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	14
Function available	-
Switch actuation	From left CW
Type of approach	Lateral approach
Electrical connection	Screw-clamp terminals AWG 22...AWG 12
Cable entry	1 entry for 3/4" - 14 NPT conforming to ANSI B1.20.1
Number of poles	3
CW operation contacts	1 NC + 2 NO
CCW operation contacts	2 NC + 1 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
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the company. This information 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[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	86.61 mm
Net weight	0.68 kg
Terminals description ISO n°1	(3-4) right side contact (1-2) left 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 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	-18...177 °C
Ambient air temperature for storage	-18...177 °C
Protective treatment	Corrosion resistant gray paint

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	0.001 g

Contractual warranty

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