

# Product data sheet

Specifications



## Limit switch, L525, L100/300, 600 V 12amp type I +options

L525WDR2M59

### Main

Range of product	L525
Series name	Severe duty mill
Product or component type	Limit switch
Product specific application	Belt conveyor switch
Device short name	L525
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	59
Function available	2 stages sequential
Switch actuation	CCW From 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
Contacts type and composition	2 NC
Switch function	DPST-NC-DB
Contact form	Form YY
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	150 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	12 ° for conveyor belt monitoring and stopping
Maximum displacement angle	80 °
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	86.61 mm
Net weight	0.68 kg
Terminals description ISO n°1	(5-6) left side contact (3-4) right 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	32.258 cm
Package 1 Width	12.7 cm
Package 1 Length	81.935 cm
Package 1 Weight	680.389 g

Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Contractual warranty

Warranty	18 months
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Recommended replacement(s)