



Electric Automation
Automation specialists

Reference: CM-LWN
Code: 1SVR450335R0100

CM-LWN Motor load monitor, 2x1c/o L1-
L2-L3=500VAC, L1/k-I=20A, 24-240VAC/
DC

Buy it at Electric Automation Network



The CM-LWN relay is from the CM motor load monitors range. This relay operates with a rated control supply voltage of 24-240 V AC / DC, has a 2 x 1 c/o (SPDT) output with contacts rated at 250 V / 4 A and works according to the closed-circuit principle. Its measuring principle is based on the evaluation of the phase shift between the voltage and the current in one phase of single- or three-phase asynchronous motors (squirrel cage). The measuring circuit is designed for measuring voltages of 110-500 V AC and measuring currents of 2-20 A AC. The window (over- and underload) monitoring allows setting of two individual threshold values, one for maximum load and one for minimum load. The hysteresis is fixed at 4 ° related to the phase angle. The tripping delay is adjustable within a range of 0.2 to 2 s and the start-up delay within a range of 0.3 to 30 s. A sealable transparent cover for protection against unauthorized changes is available as accessory.

Ordering

EAN:	4013614347979
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	45 mm
Product Net Height:	78 mm
Product Net Depth:	100 mm

Product Net Weight:	0.299 kg
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Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	81 mm
Package Level 1 Height:	106 mm
Package Level 1 Length:	46 mm
Package Level 1 Gross Weight:	0.325 kg

Technical

Function:	Motor load monitoring
Measuring Range:	2-20 A @ 110-500 V AC
Rated Control Supply Voltage (U _s):	24 ... 240 V AC/DC
Rated Frequency (f):	DC 15 ... 400 Hz
Output:	2 x 1 c/o (SPDT) contact
Time Range:	0.3-30 s start-up delay 0.2-2 s tripping delay
Terminal Type:	Screw Terminals

Environmental

RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
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Certificates and Declarations (Document Number)

CB Certificate:	CB_DK-8882
CCC Certificate:	CCC_2005010303165477
cUL Certificate:	cUL508_E140448
Declaration of Conformity - CE:	1SAD938500-0137
EAC Certificate:	EAC_RU_C-DE.ME77.B.01825
GL Certificate:	GL_96663-95HH
RMRS Certificate:	RMRS_12.04009.250
RoHS Information:	1SAA981032-4401
UL Certificate:	UL508_E140448

Classifications

Object Classification Code:	B
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ETIM 4:	EC002057 - Power relay
ETIM 5:	EC002057 - Power relay
UNSPSC:	39120000
eClass:	7.0 27371016