

PRODUCT-DETAILS

CM-LWN

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



General Information

Extended Product Type	CM-LWN
Product ID	1SVR450335R0100
EAN	4013614347979
Catalog Description	CM-LWN Motor load monitor, 2x1c/o L1-L2-L3=500VAC,L1/k-I=20A, 24-240VAC/DC
Long Description	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
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Product Net Height	78 mm
Product Net Depth / Length	100 mm
Product Net Weight	0.299 kg

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	81 mm
Package Level 1 Height	106 mm
Package Level 1 Depth / Length	46 mm
Package Level 1 Gross Weight	0.325 kg
Package Level 1 EAN	4013614347979

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 2011/65/EU
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Certificates and Declarations (Document Number)

CB Certificate	CB_DK-8882
CCC Certificate	CCC_2005010303165477
CQC Certificate	CQC2005010303165477
cUL Certificate	cUL508_E140448
Data Sheet, Technical Information	2CDC110004C0209
Declaration of Conformity - CCC	2020980303000195
Declaration of Conformity - CE	1SVD981017-0001
DNV GL Certificate	DNVGL_TAA00002MC
EAC Certificate	EAC_RU_C-DE.ME77.B.01825
Environmental Information	1SAA981003-2403
GL Certificate	GL_96663-95HH
Instructions and Manuals	1SVC450520M0000
RMRS Certificate	RMRS_1740020250
RoHS Information	1SVD981017-0001
UL Certificate	UL508_E140448

Classifications		
Object Classification Code		B
ETIM 4	EC002057 - Power relay	
ETIM 5	EC002057 - Power relay	
ETIM 6	EC002057 - Power relay	
ETIM 7	EC002057 - Power relay	
eClass	V11.0 : 27371016	
E-Number (Finland)	3580823	

Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Motor Load Monitors

