

## General Information

<b>Extended Product Type:</b>	CM-LWN
<b>Product ID:</b>	1SVR450335R0100
<b>EAN:</b>	4013614347979
<b>Catalog Description:</b>	CM-LWN Motor load monitor, 2x1 c/o L1-L2-L3=500VAC,L1/k-I=20A, 24-240VAC/DC
<b>Long Description:</b>	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 contact s 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.

## Additional Information

<b>CB Certificate:</b>	CB_DK-8882
<b>CCC Certificate:</b>	CCC_2005010303165477
<b>Country of Origin:</b>	Germany (DE)
<b>Customs Tariff Number:</b>	85364900
<b>Data Sheet, Technical Information:</b>	2CDC110004C0209
<b>Declaration of Conformity - CE:</b>	1SVD981017-0000
<b>EAC Certificate:</b>	EAC_RU_C-DE.ME77.B.01825
<b>EAN:</b>	4013614347979
<b>EPLAN Catalog Tree:</b>	Electrical engineering / Relays, contactors / General
<b>ETIM 4:</b>	EC002057 - Power relay
<b>ETIM 5:</b>	EC002057 - Power relay
<b>ETIM 6:</b>	EC002057 - Power relay
<b>Environmental Information:</b>	1SAA981003-2403
<b>Function:</b>	Motor load monitoring
<b>GL Certificate:</b>	GL_96663-95HH
<b>IIT Publishing Status:</b>	Level 0 - Information enabled
<b>Industrial IT Certification Level:</b>	0
<b>Instructions and Manuals:</b>	1SVC450520M0000
<b>Invoice Description:</b>	CM-LWN Motor load monitor, 2x1 c/o L1-L2-L3=500VAC,L1/k-I=20A, 24-240VAC/DC
<b>Measuring Range:</b>	2-20 A @ 110-500 V AC
<b>Minimum Order Quantity:</b>	1 piece
<b>Object Classification Code:</b>	B
<b>Output:</b>	2 x 1 c/o (SPDT) contact
<b>Package Level 1 EAN:</b>	4013614347979
<b>Package Level 1 Gross Weight:</b>	0.325 kg
<b>Package Level 1 Height:</b>	106 mm
<b>Package Level 1 Length:</b>	46 mm
<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	81 mm
<b>Power Loss:</b>	Approximately 5 W

<b>Product Main Type:</b>	CM-LWN
<b>Product Name:</b>	Motor Load Monitor
<b>Product Net Depth:</b>	100 mm
<b>Product Net Height:</b>	78 mm
<b>Product Net Weight:</b>	0.299 kg
<b>Product Net Width:</b>	45 mm
<b>RMRS Certificate:</b>	RMRS_1740020250
<b>Rated Control Supply Voltage (U<sub>s</sub>):</b>	24 ... 240 V AC/DC
<b>Rated Frequency (f):</b>	DC 15 ... 400 Hz
<b>Regulatory Compliance Mark (RCM):</b>	Yes
<b>RoHS Date:</b>	1146
<b>RoHS Information:</b>	1SVD981001-4400
<b>RoHS Status:</b>	Following EU Directive 2011/65/EC
<b>Selling Unit of Measure:</b>	piece
<b>Short Description:</b>	CM-LWN Motor load monitor, 2x1c/o
<b>Standards:</b>	EN 50178 IEC/EN 61000-6-2 IEC/EN 61000-6-4 UL 508 CAN/CSA C22.2 No.14
<b>Sub-Function:</b>	none
<b>Terminal Type:</b>	Screw Terminals
<b>Time Range:</b>	0.3-30 s start-up delay 0.2-2 s tripping delay
<b>UL Certificate:</b>	UL508_E140448
<b>UNSPSC:</b>	39120000
<b>cUL Certificate:</b>	cUL508_E140448
<b>eClass:</b>	7.0 27371016

