Electric Automation
Automation specialists

Reference: CM-SRS.22S
Code: 1SVR730841R1500

CM-SRS.22S Current monitoring relay 2c/o, B-C=0.3-15A RMS, 220-240VAC

Buy it at Electric Automation Network

The CM-SRS.22S is a single-functional current monitoring relay from the CM single-phase monitors range. This monitoring relay operates with a rated control supply voltage of 220 - 240 V AC and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. It provides a RMS measuring principle for DC and AC currents with 3 measuring ranges: 0.3-1.5 A, 1-5 A and 3-15 A and works according to the open-circuit principle. The CM-SRS.22S is configurable for over- or undercurrent monitoring. The hysteresis is adjustable within a range of 3 to 30 % of the threshold value and the tripping delay is adjustable over a range of instantaneous to 30 s (0, 0.1-30 s). A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers screw connection technology with double-chamber cage connection terminals.

Ordering

EAN:	4016779852357
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	97 mm
Package Level 1 Height:	109 mm
Package Level 1 Length:	30 mm

Package Level 1 Gross Weight:	0.203 kg

Dimensions

Product Net Width:	22.5 mm
Product Net Depth:	103.7 mm
Product Net Height:	85.6 mm
Product Net Weight:	0.181 kg

Technical

Function:	Over- or undercurrent monitoring
Measuring Range:	0.3 ... 1.5 A 1 ... 5 A 3 ... 15 A
Rated Control Supply Voltage (U_s):	220 ... 240 V AC
Output:	2 c/o (SPDT) contacts
Time Range:	0 s or 0.1-30 s tripping delay (ON)
Terminal Type:	Screw Terminals
Rated Operational Current AC-12 (I_e):	(230 V) 4 A
Rated Operational Current AC-15 (I_e):	(230 V) 3 A
Rated Operational Current DC-12 (I_e):	(24 V) 4 A
Rated Operational Current DC-13 (I_e):	(24 V) 2 A
Minimum Switching Capacity:	24 V 10 mA
Rated Insulation Voltage (U_i):	Measuring Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 250 V Supply Circuit / Measuring Circuit 600 V Supply Circuit / Output Circuit 250 V
Rated Impulse Withstand Voltage (U_{imp}):	Measuring Circuit / Output Circuit 6 kV Output Circuit 1 / Output Circuit 2 4 kV Supply Circuit / Measuring Circuit 6 kV Supply Circuit / Output Circuit 4 kV
Degree of Protection:	Housing IP50 Terminals IP20
Overvoltage Category:	III
Pollution Degree:	3
Short-Circuit Protective Devices:	Output Circuit NC - F Type Fuses 10 A Output Circuit NO - F Type Fuses 10 A
Electrical Durability:	AC-12 100000 cycle
Mechanical Durability:	30000000 cycle

Connecting Capacity:	Flexible with Ferrule 1x 0.5 ... 2.5 mm² Flexible with Ferrule 2x 0.5 ... 1.5 mm² Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm² Flexible 1x 0.5 ... 2.5 mm² Flexible 2x 0.5 ... 1.5 mm² Rigid 1x 0.5 ... 4 mm² Rigid 2x 0.5 ... 2.5 mm²
Tightening Torque:	0.6 ... 0.8 N·m
Wire Stripping Length:	8 mm
Mounting Position:	Any
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Standards:	IEC/EN 60255-1 IEC/EN 60255-27 EN 50178

Environmental

Ambient Air Temperature:	Operation -20 ... +60 °C Storage -40 ... +85 °C
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Output Circuit 300 V AC
Contact Rating UL/CSA:	B300
Connecting Capacity UL/CSA:	Flexible 1x 18 ... 14 AWG Flexible 2x 18 ... 16 AWG Rigid 1x 20 ... 12 AWG Rigid 2x 20 ... 14 AWG
Tightening Torque UL/CSA:	7.08 in·lb

Certificates and Declarations (Document Number)

CB Certificate:	CB_DK-28255-UL
CCC Certificate:	CCC_2007010303243843.pdf
cULus Certificate:	cULus508_20120203-E140448
Declaration of Conformity - CE:	1SAD938500-0202
EAC Certificate:	EAC_RU_C-DE.ME77.B.01012
GL Certificate:	GL_61766-14HH
RMRS Certificate:	RMRS_12.04009.250
RoHS Information:	1SAA981056-4401

Classifications

Object Classification Code:	B
E-nummer:	3860638
ETIM 4:	EC001440 - Current monitoring relay
ETIM 5:	EC001440 - Current monitoring relay
eClass:	7.0 27371802