

PRODUCT-DETAILS

CM-SRS.M2S

CM-SRS.M2S Current monitoring relay 2c/o,B-C=0.3-15A RMS, 24-240VAC/DC



CI	Information

Extended Product Type	CM-SRS.M2S
Product ID	1SVR730840R0700
EAN	4016779852272

Catalog Description

CM-SRS.M2S Current monitoring relay 2c/o,B-C=0.3-15A RMS, 24-240VAC/DC

connection technology with double-chamber cage connection terminals.

The CM-SRS.M2S is a multifunctional current monitoring relay from the CM single-phase monitors range. This monitoring relay operates with a rated control supply voltage of 24 - 240 V AC / DC 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. The CM-SRS.M2S offers selection of overor undercurrent monitoring, open- or closed-circuit operating principle, with or without latching function. The hysteresis is adjustable within a range of 3 to 30 % of the threshold value. The tripping delay and the start-up delay are 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

Long Description

Ordering

EAN	4016779852272
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical 2CDC112238D0201 Information

Instructions and 1SVC730720M1000 Manuals

Dimensions	
Product Net Width	22.5 mm
Product Net Depth / Length	103.7 mm
Product Net Height	85.6 mm
Product Net Weight	0.155 kg

Measuring Range 0.3 Rated Control Supply Voltage (U _s) Output 2 c/o (SPDT) contacts; operating principle self Time Range 0 s or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type 0.5 or 0.1 30 s tripping del Terminal Type Type Type Type Type Type Type Type	Technical	
Rated Control Supply Voltage (U ₃) Output 2 c/o (SPDT) contacts; operating principle sel Time Range 0 s or 0.1 30 s trainging del Terminal Type Rated Operational Current AC-12 (I ₆) Rated Operational Current AC-15 (I ₆) Rated Operational Current AC-12 (I ₆) Rated Operational Current DC-13 (I ₆) Rated Insulation Voltage (U ₁) Quiput Greuit / Output Circuit / Outpu	Function	Over- or undercurrent monitoring
Rated Control Supply Voltage (U ₂) Output 2 c/o (SPDT) contacts; operating principle sel Time Range 0 s or 0.1 30 s start-u 0 s or 0.1	Measuring Range	0.3 1.5 A
Rated Control Supply Voltage (U ₂) Output 2 c/o (SPDT) contacts; operating principle sel Time Range 0 s or 0.1 30 s start-u 0 s or 0.1		1 5 A 3 15 A
Output 2 c/o (SPDT) contacts; operating principle sel Time Range 0 s or 0.130 s starty		24 240 V AC/DC
Time Range		2 c/o (SPDT) contacts; operating principle selectable
Terminal Type Rated Operational Current AC-12 (la) Rated Operational Current AC-15 (la) Rated Operational Current AC-15 (la) Rated Operational Current DC-12 (lb) Rated Operational Current DC-12 (lb) Rated Operational Current DC-12 (lb) Rated Operational Current DC-12 (lc) Rated Operational Current DC-13 (lc) Minimum Switching Capacity Rated Insulation Voltage (Vi) Rated Insulation Voltage (Vi) Rated Insulation Voltage (Vi) Rated Insulation Voltage (Vin) Reasuring Circuit / Output Circuit Supply Circuit / Output Circuit Sup	· · · · · · · · · · · · · · · · · · ·	0 s or 0.1 30 s start-up delay
Rated Operational (23 Current AC-12 (le) (26) Rated Operational (25 Current AC-15 (le) (26) Rated Operational (26) Current DC-12 (le) (27) Rated Operational (27) Rated Insulation Voltage (27) Rated Insulation Voltage (27) Rated Insulation Voltage (27) Rated Insulation Voltage (28) Rated Insulation Voltage (29) Read Insulation Voltag		0 s or 0.1 30 s tripping delay (ON)
Current AC-12 (Ie) Rated Operational Current AC-15 (Ie) Rated Operational Current DC-12 (Ie) Rated Operational Current DC-12 (Ie) Rated Operational Current DC-12 (Ie) Rated Operational Current DC-13 (Ie) Rated Operational Current DC-13 (Ie) Rated Operational Current DC-13 (Ie) Minimum Switching Capacity Rated Insulation Voltage (Iv) Output Circuit / Output Circuit Supply Circuit / Measuring Circuit Supply Circuit / Measuring Circuit Supply Circuit / Measuring Circuit Supply Circuit / Output Circuit Supply	Ferminal Type	Screw Terminals
Current AC-15 (le) Rated Operational (2 Current DC-12 (le) Rated Operational (2 Current DC-13 (le) Minimum Switching Capacity Rated Insulation Voltage (Uin) Measuring Circuit / Output Circuit Supply Circuit / Output Circuit Vintend Supply Circuit / Output Circuit Supply Circuit / Output Circuit Vintend Supply Circuit / Output Circuit Vintend Supply Circuit / Output Circuit Vintend Circuit Vintend Supply Circuit / Output Circuit Vintend Supply Circuit / Measuring Circuit Supply Circuit / Measuring Circuit Supply Circuit / Output Circuit Vintend Supply	•	(230 V) 4 A
Current DC-12 (Ie) (2) Rated Operational Current DC-13 (Ie) (2) Minimum Switching Capacity State of Insulation Voltage (Uin) Rated Insulation Voltage (Uin) Measuring Circuit / Output Circuit Supply Circuit / Measuring Circuit Supply Circuit / Output Circuit Output Circuit (Insulation Voltage (Uinp)) Measuring Circuit / Output Circuit Output Circuit (Insulation Voltage (Uinp)) Obegree of Protection Supply Circuit / Measuring Circuit (Insulation Voltage Category) Pollution Degree Output Circuit NO - F Type Fust Devices Short-Circuit Protective Devices Output Circuit NO - F Type Fust Devices Electrical Durability AC-12 1000 Connecting Capacity Mechanical Durability Flexible with Ferrule 2x 0.5 Flexible with Ferrule 2x 0.5 Flexible with Insulated Ferrule 1x 0.5 Flexible with Insulated Ferrule 1x 0.5 Flexible 2x 0.		(230 V) 3 A
Current DC-13 (le) Minimum Switching Capacity Rated Insulation Voltage Measuring Circuit / Output Circuit Supply Circuit / Output Circuit Supply Circuit / Measuring Circuit Supply Circuit / Output Circuit Supply Circuit / Output Circuit Supply Circuit / Output Circuit / Supply Circuit / Output Circuit / Supply Circuit / Output Circuit /		(24 V) 4 A
Capacity Rated Insulation Voltage (Ui) Circuit / Output Circuit / Supply Circuit / Output Circuit / Supply Circuit / Output Circuit Supply Circuit / Output Cir	•	(24 V) 2 A
(Ui) Output Circuit 1 / Output Circuit Supply Circuit / Measuring Circuit Supply Circuit / Output Circuit Supply Circuit / Output Circuit Rated Impulse Rated Impulse Measuring Circuit / Output Circuit Output Circu		24 V 10 mA
Withstand Voltage (Uimp) Supply Circuit / Output Circuit Supply Circuit / Measuring Circuit Supply Circuit / Measuring Circuit Supply Circuit / Output Circuit Degree of Protection Degree of Protection Novervoltage Category Pollution Degree Short-Circuit Protective Devices Electrical Durability Mechanical Durability AC-12 10000 Mechanical Durability Sounded Ferrule 1x 0.5 2 Flexible with Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 2 Flexible 2x 0.5 3 Flexible 2x 0.5 3 Flexible 3x 0.5 3 Flexib		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
Termin Overvoltage Category Pollution Degree Short-Circuit Protective Devices Electrical Durability Mechanical Durability Connecting Capacity Flexible with Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 2 Flexible 2x 0.5 3 Flexible x 0.5 3	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
Pollution Degree Short-Circuit Protective Devices Electrical Durability Mechanical Durability Connecting Capacity Flexible with Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 1 Flexible 2x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 2 Flexible 3x 0.5 2 Flexible 3x 0.5 3	Degree of Protection	Housing IP50 Terminals IP20
Short-Circuit Protective Devices Electrical Durability Mechanical Durability Connecting Capacity Flexible with Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 2 Flexible 2x 0.5 2	Overvoltage Category	III
Devices Electrical Durability AC-12 10000 Mechanical Durability 3000000 Connecting Capacity Flexible with Ferrule 1x 0.5 2 Flexible with Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 1 Flexible 2x 0.5 2 Flexible 2x 0.5 3 Rigid 1x 0.5 2 Tightening Torque Wire Stripping Length	Pollution Degree	3
Mechanical Durability Connecting Capacity Flexible with Ferrule 1x 0.5 2 Flexible with Ferrule 2x 0.5 2 Flexible with Insulated Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 3 Flexible 2x 0.5 3 Rigid 1x 0.5 2 Rigid 2x 0.5 2 Tightening Torque Wire Stripping Length		Output Circuit NO - F Type Fuses 10 A
Connecting Capacity Flexible with Ferrule 1x 0.5 2 Flexible with Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 2 Flexible x 0.5 2 Flexible x 0.5 2 Rigid 1x 0.5 2 Tightening Torque Wire Stripping Length	Electrical Durability	AC-12 100000 cycle
Flexible with Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 1x 0.5 2 Flexible with Insulated Ferrule 2x 0.5 1 Flexible with Insulated Ferrule 2x 0.5 1 Flexible 1x 0.5 2 Flexible 2x 0.5 1 Rigid 1x 0.5 2 Rigid 2x 0.5 2 Tightening Torque Wire Stripping Length	Mechanical Durability	30000000 cycle
Wire Stripping Length	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
Recommended Screw	Wire Stripping Length	8 mm
Driver PC	Recommended Screw Driver	Pozidriv 1 4.5
Mounting Position	Mounting Position	0.8 x 4 1 6

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	CAN/CSA C22.2 No.14 IEC/EN 63000 IEC/EN 60255-27
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	UL 508

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

Environmental	
Ambient Air	Operation -20 +60 °C
Temperature	Storage -40 +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)	
CB Certificate	CB_DK-28255-UL
CQC Certificate	CQC2007010303243843
cULus Certificate	cULus508_20120203-E140448
Data Sheet, Technical Information	2CDC112238D0201
Declaration of Conformity - CCC	2020980303000196
Declaration of Conformity - CE	15VD981013-00
Declaration of Conformity - UKCA	1SVD981013-10
DNV GL Certificate	DVN_GL_TAA0000293
EAC Certificate	EAC_RU_C-DE.ME77.B.03424
Instructions and Manuals	1SVC730720M1000
RoHS Information	1SVD981013-00

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Height	109 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Gross Weight	0.177 kg
Package Level 1 EAN	4016779852272

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Classifications	
Object Classification Code	В
ETIM 4	EC001440 - Current monitoring relay
ETIM 5	EC001440 - Current monitoring relay
ETIM 6	EC001440 - Current monitoring relay
ETIM 7	EC001440 - Current monitoring relay
eClass	V11.0 : 27371802
UNSPSC	39121514
E-Number (Finland)	2712320
E-Number (Sweden)	3860630

Categories

 $Low\ Voltage\ Products\ \rightarrow Control\ Products\ \rightarrow Electronic\ Relays\ and\ Controls\ \rightarrow\ Single\ Phase\ Monitors$

