

## PRODUCT-DETAILS

# CM-SRS.M1S

CM-SRS.M1S Current monitoring relay 2c/o, B-C=3mA-1A RMS, 24-240VAC/DC



## General Information

Extended Product Type	CM-SRS.M1S
Product ID	1SVR730840R0600
EAN	4016779852265
Catalog Description	CM-SRS.M1S Current monitoring relay 2c/o, B-C=3mA-1A RMS, 24-240VAC/DC

Long Description	<p>The CM-SRS.M1S 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: 3-30 mA, 10-100 mA and 0.1-1 A. The CM-SRS.M1S offers selection of over- or 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 connection technology with double-chamber cage connection terminals.</p>
------------------	--

## Ordering

EAN	4016779852265
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

## Popular Downloads

Data Sheet, Technical Information	2CDC112169D0201
-----------------------------------	-----------------

## Dimensions

Product Net Width	22.5 mm
Product Net Depth / Length	103.7 mm
Product Net Height	85.6 mm
Product Net Weight	0.153 kg

## Technical

Function	Over- or undercurrent monitoring
Measuring Range	3 ... 30 mA 10 ... 100 mA 0.1 ... 1 A
Rated Control Supply Voltage (U <sub>s</sub> )	24 ... 240 V AC/DC
Output	2 c/o (SPDT) contacts; operating principle selectable
Time Range	0 s or 0.1 ... 30 s start-up delay 0 s or 0.1 ... 30 s tripping delay (ON)
Terminal Type	Screw Terminals
Rated Operational Current AC-12 (I <sub>e</sub> )	(230 V) 4 A
Rated Operational Current AC-15 (I <sub>e</sub> )	(230 V) 3 A
Rated Operational Current DC-12 (I <sub>e</sub> )	(24 V) 4 A
Rated Operational Current DC-13 (I <sub>e</sub> )	(24 V) 2 A
Minimum Switching Capacity	24 V 10 mA
Rated Insulation Voltage (U <sub>i</sub> )	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 <sub>imp</sub> )	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 mm <sup>2</sup> Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 1x 0.5 ... 4 mm <sup>2</sup> Rigid 2x 0.5 ... 2.5 mm <sup>2</sup>
Tightening Torque	0.6 ... 0.8 N·m
Wire Stripping Length	8 mm
Recommended Screw Driver	Pozidriv 1 4.5 0.8 x 4
Mounting Position	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 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
--------------------------	------------

## Environmental

Ambient Air Temperature	Operation -20 ... +60 °C 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	2CDC112169D0201
-----------------------------------	-----------------

Declaration of Conformity - CCC	2020980303000196
---------------------------------	------------------

Declaration of Conformity - CE	1SVD981013-00
--------------------------------	---------------

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	0.175 kg
------------------------------	----------

Package Level 1 EAN	4016779852265
---------------------	---------------

Classifications

Object Classification Code	B
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)	2712319
E-Number (Sweden)	3860629

Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Single Phase Monitors

