

PRODUCT-DETAILS

## CM-SRS.12S

### CM-SRS.12S Current monitoring relay 1c/o,B-C=0.3-15A RMS, 24-240VAC/DC



#### General Information

Extended Product Type	CM-SRS.12S
Product ID	1SVR730840R0300
EAN	4016779852234
Catalog Description	CM-SRS.12S Current monitoring relay 1c/o,B-C=0.3-15A RMS, 24-240VAC/DC

#### Long Description

The CM-SRS.12S 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 24 - 240 V AC / DC and has a 1 c/o (SPDT) output contact 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.12S is configurable for over- or undercurrent monitoring, the hysteresis is adjustable within a range of 3 to 30 % of the threshold value. 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	4016779852234
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

#### Popular Downloads

Data Sheet, Technical Information	2CDC112167D0201
Instructions and	1SVC730610M0000

Manuals

**Dimensions**

Product Net Width	22.5 mm
Product Net Depth / Length	103.7 mm
Product Net Height	85.6 mm
Product Net Weight	0.137 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 <sub>s</sub> )	24 ... 240 V AC/DC
Output	1 c/o (SPDT) contact
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 6 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
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	CAN/CSA C22.2 No.14 EN 50178 EN 50581 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
RoHS Status	Following EU Directive 2011/65/EU

## Certificates and Declarations (Document Number)

CB Certificate	CB_DK-28255-UL
CCC Certificate	CCC_2007010303243843.pdf
CQC Certificate	CQC2007010303243843
cULus Certificate	cULus508_20120203-E140448
Data Sheet, Technical Information	2CDC112167D0201
Declaration of Conformity - CCC	2020980303000196
Declaration of Conformity - CE	1SVD981013
DNV GL Certificate	DNV_GL_TAA0000293
EAC Certificate	EAC_RU_C-DE.ME77.B.03424
Environmental Information	1SAA981019-2401
Instructions and Manuals	1SVC730610M0000
RMRS Certificate	RMRS_1740020250
RoHS Information	1SVD981013

## 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	0.159 kg
Package Level 1 EAN	4016779852234

## 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)	2712306
E-Number (Sweden)	3860626

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## Categories

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

