

**ABB**

## General Information

Extended Product Type:	CM-SRS.22S
Product ID:	1SVR730841R0500
EAN:	4016779852319
Catalog Description:	CM-SRS.22S Current monitoring relay 2c/o, B-C=0.3-15A RMS, 110-130VAC
Long Description:	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 110 - 130 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.

## Categories

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

## Ordering

EAN:	4016779852319
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 ( $U_s$ ):	110 ... 130 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

<b>Degree of Protection:</b>	Housing IP50 Terminals IP20
<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Short-Circuit Protective Devices:</b>	Output Circuit NC - F Type Fuses 10 A Output Circuit NO - F Type Fuses 10 A
<b>Electrical Durability:</b>	AC-12 100000 cycle
<b>Mechanical Durability:</b>	30000000 cycle
<b>Connecting Capacity:</b>	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>
<b>Tightening Torque:</b>	0.6 ... 0.8 N·m
<b>Wire Stripping Length:</b>	8 mm
<b>Mounting Position:</b>	Any
<b>Mounting on DIN Rail:</b>	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
<b>Standards:</b>	IEC/EN 60255-1 IEC/EN 60255-27 EN 50178

## Environmental

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

## Technical UL/CSA

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

## Certificates and Declarations (Document Number)

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

## Classifications

<b>Object Classification Code:</b>	B
<b>E-number:</b>	3860634
<b>ETIM 4:</b>	EC001440 - Current monitoring relay
<b>ETIM 5:</b>	EC001440 - Current monitoring relay
<b>eClass:</b>	7.0 27371802





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