PRODUCT-DETAILS

CM-SRS.21S

CM-SRS.21S Current monitoring relay 2c/o, B-C=3mA-1A RMS, 24-240VAC/DC



General Information

Extended Product Type	CM-SRS.21S
Product ID	1SVR730840R0400
EAN	4016779852241
Catalog Description	CM-SRS.21S Current monitoring relay 2c/o, B-C=3mA-1A RMS, 24-240VAC/DC
Long Description	The CM-SRS.21S 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 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 and works according to the open-circuit principle. The CM-SRS.21S 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	4016779852241
Minimum Order Quantity	1 piece

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Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112168D0201
Instructions and Manuals	1SVC730720M1000 1SVC730720M0000
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.152 kg

Technical

Function	Over- or undercurrent monitoring
Measuring Range	3 ... 30 mA 10 ... 100 mA 0.1 ... 1 A
Time Range	0 s or 0.1 ... 30 s tripping delay (ON)
Rated Control Supply Voltage (U_s)	24 ... 240 V AC/DC
Output	2 c/o (SPDT) contacts
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 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
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
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^2

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	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
Recommended Screw Driver	0.8 x 4 4.5 Pozidriv 1
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
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0

Environmental

Ambient Air Temperature	Operation -20 ... +60 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SVD981001-4501
RoHS Information	1SVD981001-4401
RoHS Status	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006536

Circular Value

End of Life Instructions	1SAC200290H0001

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Certificates and Declarations

CB Certificate	CB_DK-28255-UL
CQC Certificate	CQC2007010303243843
cULus Certificate	cULus508_20120203-E140448
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

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Height	109 mm
Package Level 1 Gross Weight	0.174 kg
Package Level 1 EAN	4016779852241

Classifications

Object Classification Code	B
ETIM 7	EC001440 - Current monitoring relay
ETIM 8	EC001440 - Current monitoring relay
ETIM 9	EC001440 - Current monitoring relay
eClass	V11.0 : 27371802
UNSPSC	39122332
E-Number (Finland)	2712312
E-Number (Norway)	4188058
E-Number (Sweden)	3860627

Categories

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

Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)



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