



Electric Automation
Automation specialists

Reference: CM-SRS.21P
Code: 1SVR740841R0400

CM-SRS.21P Current monitoring relay 2c/o,
B-C=3mA-1A RMS, 110-130VAC

Buy it at [Electric Automation Network](#)



The CM-SRS.21P 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: 3-30 mA, 10-100 mA and 0.1-1 A and works according to the open-circuit principle. The CM-SRS.21P 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 maintenance free Easy Connect Technology with push-in terminals.

Ordering

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| EAN: | 4016779852548 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85364900 |

Container Information

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| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 97 mm |
| Package Level 1 Height: | 109 mm |
| Package Level 1 Length: | 30 mm |

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| Package Level 1 Gross Weight: | 0.19 kg |
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Dimensions

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| Product Net Width: | 22.5 mm |
| Product Net Depth: | 103.7 mm |
| Product Net Height: | 85.6 mm |
| Product Net Weight: | 0.168 kg |

Technical

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| Function: | Over- or undercurrent monitoring |
| Measuring Range: | 3 ... 30 mA 10 ... 100 mA 0.1 ... 1 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: | Screwless 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 |
| 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 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 2x 0.5 ... 1.5 mm ² |

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| 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: | IEC/EN 60255-1 IEC/EN 60255-27 EN 50178 |

Environmental

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

Technical UL/CSA

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|-----------------------------------|---|
| Maximum Operating Voltage UL/CSA: | Output Circuit 300 V AC |
| Contact Rating UL/CSA: | B300 |
| Connecting Capacity UL/CSA: | Flexible 2x 18 ... 16 AWG Rigid 2x 20 ... 16 AWG |

Certificates and Declarations (Document Number)

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

Classifications

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|-----------------------------|-------------------------------------|
| Object Classification Code: | B |
| E-nummer: | 3860652 |
| ETIM 4: | EC001440 - Current monitoring relay |
| ETIM 5: | EC001440 - Current monitoring relay |
| eClass: | 7.0 27371802 |