






Current measuring module, Set current 2.4...25 A Overall width 45 mm, straight-through transformer

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| product brand name | SIMOCODE |
| product designation | Current measuring module |
| General technical data | |
| size of the circuit-breaker | S00, S0 |
| product function | |
| • current measurement | Yes |
| • voltage measurement | No |
| • active power measurement | No |
| • energy measurement | No |
| • frequency measurement | No |
| product component | |
| • input for thermistor connection | No |
| consumed active power | 0.2 W |
| insulation voltage | |
| • with degree of pollution 3 at AC rated value | 690 V |
| • for wires of main circuit according to IEC 60947-1 rated value | 6 kV |
| surge voltage resistance rated value | 6 000 V |
| shock resistance according to IEC 60068-2-27 | 15g / 11 ms |
| vibration resistance | 1-6 Hz / 15 mm; 6-500 Hz / 2 g |
| reference code according to IEC 81346-2 | F |
| Substance Prohibitance (Date) | 05/28/2009 |
| SVHC substance name | Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 |
| Net Weight | 0.163 kg |
| Electromagnetic compatibility | |
| EMC emitted interference according to IEC 60947-1 | class A |
| EMC immunity according to IEC 60947-1 | corresponds to degree of severity 3 |
| conducted interference | |
| • due to burst according to IEC 61000-4-4 | 2 kV |
| • due to conductor-earth surge according to IEC 61000-4-5 | 2 kV |
| • due to conductor-conductor surge according to IEC 61000-4-5 | 1 kV |
| field-based interference according to IEC 61000-4-3 | 10 V/m |
| Inputs/ Outputs | |
| number of outputs as contact-affected switching element | 0 |
| Protective and monitoring functions | |
| product function | |
| • power factor monitoring | No |
| • ground-fault monitoring | No |

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| • voltage detection | No |
| trip class | CLASS 5E |
| product function | |
| • current detection | Yes |
| • overload protection | Yes |
| Installation/ mounting/ dimensions | |
| mounting position | any |
| fastening method | screw and snap-on mounting |
| height | 84 mm |
| width | 45 mm |
| depth | 45 mm |
| required spacing | |
| • top | 30 mm |
| • bottom | 30 mm |
| • left | 0 mm |
| • right | 0 mm |
| diameter of inlet opening | 7.5 mm |
| diameter of inlet opening for current measurement | 7.5 mm |
| Connections/ Terminals | |
| type of electrical connection | |
| • for main current circuit | straight-through transformers |
| Ambient conditions | |
| installation altitude at height above sea level | |
| • 1 maximum | 2 000 m |
| • 2 maximum | 3 000 m; max. +50 °C (no protective separation) |
| • 3 maximum | 4 000 m; max. +40 °C (no protective separation) |
| ambient temperature | |
| • during operation | -25 ... +60 °C |
| • during storage | -40 ... +80 °C |
| • during transport | -40 ... +80 °C |
| environmental category | |
| • during operation according to IEC 60721 | 3K6 (no formation of ice, no condensation, relative humidity 10 ... 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 |
| • during storage according to IEC 60721 | 1K6 (no condensation, relative humidity 10 ... 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4 |
| • during transport according to IEC 60721 | 2K2, 2C1, 2S1, 2M2 |
| relative humidity during operation | 5 ... 95 % |
| Short-circuit protection | |
| product function short circuit protection | No |
| IEC 61508 | |
| Safety Integrity Level (SIL) according to IEC 61508 | 1 |
| ATEX | |
| certificate of suitability | |
| • according to ATEX directive 2014/34/EU | BVS 06 ATEX F001 |
| • according to UKCA | ITS21UKEX0464 |
| explosion device group and category according to ATEX directive 2014/34/EU | II (2) G, II (2) D, I (M2) |
| Galvanic isolation | |
| (electrically) protective separation according to IEC 60947-1 | All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) |
| Main circuit | |
| number of poles for main current circuit | 3 |
| adjustable current response value current of the current-dependent overload release | 2.4 ... 25 A |
| operating voltage | |
| • at AC | |
| — at 50 Hz rated value | 110 ... 690 V |
| — at 60 Hz rated value | 110 ... 690 V |
| operating frequency rated value | 50 ... 60 Hz |

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| Control circuit/ Control | | | | | |
| type of voltage | | | AC | | |
| Approvals Certificates | | | | | |
| General Product Approval | | | | | EMV |
|  CCC |  |  EG-Konf. |  UL |  |  RCM |
| EMV | For use in hazardous locations | | | | Test Certificates |
| KC |  ATEX |  IECEX |  ATEX | Miscellaneous | Special Test Certificate |
| Test Certificates | Maritime application | | | | other |
| Type Test Certificates/Test Report |  ABS |  DNV |  LRS |  RMRS |  |
| other | Environment | | Industrial Communication | | |
| Confirmation |  | Environmental Confirmations |  Profibus | | |
| Further information | | | | | |
| <p>Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875</p> <p>Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012</p> <p>Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10</p> <p>Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UF7101-1AA00-0</p> <p>Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7101-1AA00-0</p> <p>Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UF7101-1AA00-0</p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7101-1AA00-0&lang=en</p> | | | | | |

