



Special type Circuit breaker size S00 for motor protection CLASS 10 A-release 4.5...6.3 A N-release 82 A Screw terminal Standard switching capacity Ambient temperature -50 °C with transverse auxiliary switch 1 NO+1 NC 500 switching cycles

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| product brand name | SIRIUS |
| product designation | circuit breaker |
| design of the product | for motor protection |
| General technical data | |
| product extension auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| • at AC in hot operating state | 7.25 W |
| • at AC in hot operating state per pole | 2.4 W |
| surge voltage resistance rated value | 6 000 V |
| protection class IP on the front | IP20 |
| shock resistance | 25g / 11 ms |
| mechanical service life (operating cycles) of the main contacts typical | 500 |
| continuous current rated value | 6.3 A |
| Substance Prohibition (Date) | 01/01/2013 |
| Weight | 0.306 kg |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| • during operation | -50 ... +60 °C |
| • during storage | -50 ... +80 °C |
| • during transport | -50 ... +80 °C |
| Main circuit | |
| number of poles for main current circuit | 3 |
| adjustable current response value current of the current-dependent overload release | 4.5 ... 6.3 A |
| operating voltage | |
| • rated value | 690 V |
| • rated value | 20 ... 690 V |
| • at AC-3 rated value maximum | 690 V |
| operational current at AC-3 at 400 V rated value | 6.3 A |
| operating power at AC-3 | |
| • at 400 V rated value | 2.2 kW |
| operating frequency at AC-3 maximum | 15 1/h |
| Auxiliary circuit | |
| design of the auxiliary switch | transverse |
| number of NC contacts for auxiliary contacts | 1 |
| number of NO contacts for auxiliary contacts | 1 |
| number of CO contacts for auxiliary contacts | 0 |
| operational current of auxiliary contacts at AC-15 | |
| • at 24 V | 2 A |

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| <ul style="list-style-type: none"> • at 230 V | 0.5 A |
| operational current of auxiliary contacts at DC-13 | |
| <ul style="list-style-type: none"> • at 24 V | 1 A |
| <ul style="list-style-type: none"> • at 60 V | 0.15 A |
| Protective and monitoring functions | |
| product function | |
| <ul style="list-style-type: none"> • ground fault detection | No |
| <ul style="list-style-type: none"> • phase failure detection | Yes |
| trip class | CLASS 10 |
| design of the overload release | thermal |
| maximum short-circuit current breaking capacity (I_{cu}) | |
| <ul style="list-style-type: none"> • at AC at 240 V rated value | 100 kA |
| <ul style="list-style-type: none"> • at AC at 400 V rated value | 100 kA |
| <ul style="list-style-type: none"> • at AC at 500 V rated value | 3 kA |
| <ul style="list-style-type: none"> • at AC at 690 V rated value | 2 kA |
| response value current of instantaneous short-circuit trip unit | 82 A |
| Short-circuit protection | |
| design of the short-circuit trip | magnetic |
| design of the overcurrent release and short-circuit release | thermomagnetic |
| Installation/ mounting/ dimensions | |
| mounting position | any |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 |
| height | 90 mm |
| width | 45 mm |
| depth | 81 mm |
| required spacing with side-by-side mounting | |
| <ul style="list-style-type: none"> • backwards | 0 mm |
| <ul style="list-style-type: none"> • at the side | 0 mm |
| Connections/ Terminals | |
| product component removable terminal for auxiliary and control circuit | No |
| type of electrical connection | |
| <ul style="list-style-type: none"> • for main current circuit | screw-type terminals |
| <ul style="list-style-type: none"> • for auxiliary and control circuit | screw-type terminals |
| arrangement of electrical connectors for main current circuit | front side |
| type of connectable conductor cross-sections for main contacts | |
| <ul style="list-style-type: none"> • solid | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| <ul style="list-style-type: none"> • stranded | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| <ul style="list-style-type: none"> • finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| <ul style="list-style-type: none"> • for AWG cables for auxiliary contacts | 2x (18 ... 14) |
| Electrical Safety | |
| touch protection against electrical shock | finger-safe |
| Further information | |
| Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 | |
| Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012 | |
| Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 | |
| Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-1GA15-0BA0 | |
| Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1GA15-0BA0 | |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1GA15-0BA0 | |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-1GA15-0BA0&lang=en | |
| Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1GA15-0BA0/char | |
| Further characteristics (e.g. electrical endurance, switching frequency) | |



