

Reference: 3RW4037-1BB14

SIRIUS SOFT STARTER, S2, 63A, 30KW/400V, 40 DEGR., AC 200-480V, AC/DC
110-230V, SCREW TERMINALS

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| General technical data: | | |
|---|---|--------|
| product brand name | SIRIUS | |
| Product equipment Integrated bypass contact system | Yes | |
| Product feature Thyristors | Yes | |
| Product function | | |
| Intrinsic device protection | Yes | |
| motor overload protection | Yes | |
| Evaluation of thermistor motor protection | No | |
| External reset | Yes | |
| Adjustable current limitation | Yes | |
| Inside-delta circuit | No | |
| Product component Motor brake output | No | |
| Equipment marking acc. to DIN EN 61346-2 | Q | |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | G | |
| Power Electronics: | | |
| Product designation | soft starters for standard applications | |
| Operating current | | |
| at 40 °C rated value | A | 63 |
| at 50 °C rated value | A | 58 |
| at 60 °C rated value | A | 53 |
| Mechanical power output for three-phase motors | | |
| at 230 V | | |
| — at standard circuit at 40 °C rated value | W | 18 500 |
| at 400 V | | |
| — at standard circuit at 40 °C rated value | W | 30 000 |

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|--|----|----------------------------|
| Yielded mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C rated value | hp | 15 |
| Operating frequency rated value | Hz | 50 ... 60 |
| Relative negative tolerance of the operating frequency | % | -10 |
| Relative positive tolerance of the operating frequency | % | 10 |
| Operating voltage at standard circuit rated value | V | 200 ... 480 |
| Relative negative tolerance of the operating voltage at standard circuit | % | -15 |
| Relative positive tolerance of the operating voltage at standard circuit | % | 10 |
| Minimum load [% of IM] | % | 20 |
| Adjustable motor current for motor overload protection minimum rated value | A | 26 |
| Continuous operating current [% of I _e] at 40 °C | % | 115 |
| Power loss [W] at operating current at 40 °C during operation typical | W | 12 |
| Control electronics: | | |
| Type of voltage of the control supply voltage | | AC/DC |
| Control supply voltage frequency 1 rated value | Hz | 50 |
| Control supply voltage frequency 2 rated value | Hz | 60 |
| Relative negative tolerance of the control supply voltage frequency | % | -10 |
| Relative positive tolerance of the control supply voltage frequency | % | 10 |
| Control supply voltage 1 at AC at 50 Hz | V | 110 ... 230 |
| Control supply voltage 1 at AC at 60 Hz | V | 110 ... 230 |
| Relative negative tolerance of the control supply voltage at AC at 60 Hz | % | -15 |
| Relative positive tolerance of the control supply voltage at AC at 60 Hz | % | 10 |
| Control supply voltage 1 at DC | V | 110 ... 230 |
| Relative negative tolerance of the control supply voltage at DC | % | -15 |
| Relative positive tolerance of the control supply voltage at DC | % | 10 |
| Display version for fault signal | | red |
| Mechanical data: | | |
| Size of engine control device | | S2 |
| Witd> | mm | 55 |
| Height | mm | 160 |
| Depth | mm | 170 |
| Mounting type | | screw and snap-on mounting |

| | | |
|--|-----------------------------------|-------|
| Mounting position | With atd> | |
| Required spacing with side-by-side mounting | | |
| upwards | mm | 60 |
| at the side | mm | 30 |
| downwards | mm | 40 |
| Installation altitude at height above sea level | m | 5 000 |
| Wire length maximum | m | 300 |
| Number of poles for main current circuit | 3 | |
| Connections/ Terminals: | | |
| Type of electrical connection | | |
| for main current circuit | screw-type terminals | |
| for auxiliary and control current circuit | screw-type terminals | |
| Number of NC contacts for auxiliary contacts | 0 | |
| Number of NO contacts for auxiliary contacts | 2 | |
| Number of CO contacts for auxiliary contacts | 1 | |
| Type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point | | |
| solid | 2x (1.5 ... 16 mm ²) | |
| finely stranded with core end processing | 0.75 ... 25 mm ² | |
| stranded | 0.75 ... 35 mm ² | |
| Type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point | | |
| solid | 2x (1.5 ... 16 mm ²) | |
| finely stranded with core end processing | 1.5 ... 25 mm ² | |
| stranded | 1.5 ... 35 mm ² | |
| Type of connectable conductor cross-sections for main contacts for box terminal using both clamping points | | |
| solid | 2x (1.5 ... 16 mm ²) | |
| finely stranded with core end processing | 2x (1.5 ... 16 mm ²) | |
| stranded | 2x (1.5 ... 25 mm ²) | |
| Type of connectable conductor cross-sections at AWG conductors for main contacts for box terminal | | |
| using the back clamping point | 16 ... 2 | |
| using the front clamping point | 18 ... 2 | |
| using both clamping points | 2x (16 ... 2) | |
| Type of connectable conductor cross-sections for auxiliary contacts | | |
| solid | 2x (0.5 ... 2.5 mm ²) | |
| finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²) | |
| Type of connectable conductor cross-sections at AWG conductors | | |

| | | |
|---|-------------------------------|------------------------------------|
| for auxiliary contacts | 2x (20 ... 14) | |
| for auxiliary contacts finely stranded with core end processing | 2x (20 ... 16) | |
| Ambient conditions: | | |
| Ambient temperature | | |
| during operation | °C | -25 ... +60 |
| during storage | °C | -40 ... +80 |
| Derating temperature | °C | 40 |
| Protection class IP | IP00 | |
| Certificates/ approvals: | | |
| General Product Approval | EMC | For use in hazardous locations |
| Declaration of Conformity | Test Certificates | Shipping Approval |
| | spezielle Prüfbescheinigungen | Typprüfbescheinigung/ Werkszeugnis |
| Shipping Approval | other | |
| | Umweltbestätigung | Bestätigungen |
| UL/CSA ratings: | | |
| Yielded mechanical performance [hp] for three-phase AC motor | | |
| at 220/230 V | | |
| — at standard circuit at 50 °C rated value | hp | 20 |
| at 460/480 V | | |
| — at standard circuit at 50 °C rated value | hp | 40 |
| Contact rating of auxiliary contacts according to UL | B300 / R300 | |