SIEMENS

## Data sheet 3RW4026-2BB14

SIRIUS soft starter S0 25 A, 11 kW/400 V, 40 °C 200-480 V AC, 110-230 V AC/DC spring-type terminals

| | | |
|---|---|---|
| **General technical data** | | |
| **product brand name** | | SIRIUS |
| **product feature** | | |
| ● integrated bypass contact system | | Yes |
| ● 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 |
| **insulation voltage rated value** | V | 600 |
| **degree of pollution** | | 3, acc. to IEC 60947-4-2 |
| **reference code acc. to DIN EN 61346-2** | | Q |
| **reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750** | | G |
| **Power Electronics** | | |
| **product designation** | | Soft starter |
| **operational current** | | |
| ● at 40 °C rated value | A | 25 |
| ● at 50 °C rated value | A | 23 |
| ● at 60 °C rated value | A | 21 |
| **yielded mechanical performance for 3-phase motors** | | |
| ● at 230 V | | |
| — at standard circuit at 40 °C rated value | W | 5 500 |
| ● at 400 V | | |
| — at standard circuit at 40 °C rated value | W | 11 000 |
| **yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value** | hp | 5 |
| **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** | % | 10 |


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| **standard circuit** | | |
| **minimum load [%]** | % | 20 |
| **adjustable motor current for motor overload protection minimum rated value** | A | 10 |
| **continuous operating current [% of Ie] at 40 °C** | % | 115 |
| **power loss [W] at operational current at 40 °C during operation typical** | W | 8 |
| **Control circuit/ Control** | | |
| **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 50 Hz** | % | -15 |
| **relative positive tolerance of the control supply voltage at AC at 50 Hz** | % | 10 |
| **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** | | S0 |
| **width** | mm | 45 |
| **height** | mm | 150 |
| **depth** | mm | 155 |
| **fastening method** | | screw and snap-on mounting |
| **mounting position** | | With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° t |
| **required spacing with side-by-side mounting** | | |
| ● upwards | mm | 60 |
| ● at the side | mm | 15 |
| ● downwards | mm | 40 |
| **wire length maximum** | m | 300 |
| **number of poles for main current circuit** | | 3 |
| **Connections/ Terminals** | | |
| **type of electrical connection** | | |
| ● for main current circuit | | spring-loaded terminals |
| ● for auxiliary and control circuit | | spring-loaded 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 ... 2.5 mm²), 2x (2.5 ... 6 mm²), max. 1x 10 mm² |
| ● finely stranded with core end processing | | 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |
| **type of connectable conductor cross-sections at AWG cables for main contacts for box terminal** | | |


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| | | |
|---|---|---|
| • using the front clamping point | | 1x 8, 2x (16 ... 10) |
| **type of connectable conductor cross-sections for main contacts** | | |
| • solid | | 1 ... 10 mm² |
| • finely stranded with core end processing | | 1 ... 6 mm² |
| **type of connectable conductor cross-sections for auxiliary contacts** | | |
| • solid | | 2x (0.25 ... 2.5 mm²) |
| • finely stranded with core end processing | | 2x (0.25 ... 1.5 mm²) |
| **type of connectable conductor cross-sections at AWG cables** | | |
| • for main contacts | | 16 ... 10, 1x 8 |
| • for auxiliary contacts | | 2x (24 ... 14) |
| **Ambient conditions** | | |
| **installation altitude at height above sea level** | m | 5 000 |
| **environmental category** | | |
| • during transport acc. to IEC 60721 | | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| • during storage acc. to IEC 60721 | | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 |
| • during operation acc. to IEC 60721 | | 3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 |
| **ambient temperature** | | |
| • during operation | °C | -25 ... +60 |
| • during storage | °C | -40 ... +80 |
| **derating temperature** | °C | 40 |
| **protection class IP** | | IP20 |

**Certificates/ approvals**

| General Product Approval | | | | | EMC |
|---|---|---|---|---|---|
| CSA | CCC | UL | EAC | EAC | RCM |

| For use in hazardous locations | Declaration of Conformity | | Test Certificates | | Marine / Shipping |
|---|---|---|---|---|---|
| ATEX | Miscellaneous | EG-Konf. | Special Test Certificate | Type Test Certificates/Test Report | LRS |

| Marine / Shipping | | other |
|---|---|---|
| PRS | DNV·GL | Confirmation |

| **UL/CSA ratings** | | |
|---|---|---|
| **yielded mechanical performance [hp] for 3-phase AC motor** | | |
| • **at 220/230 V** | | |
| — at standard circuit at 50 °C rated value | hp | 5 |
| • **at 460/480 V** | | |
| — at standard circuit at 50 °C rated value | hp | 15 |


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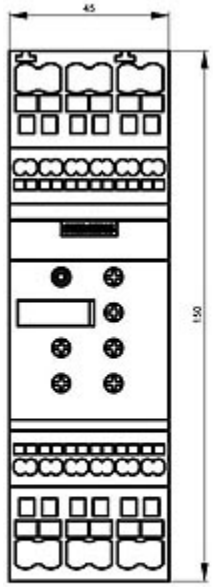
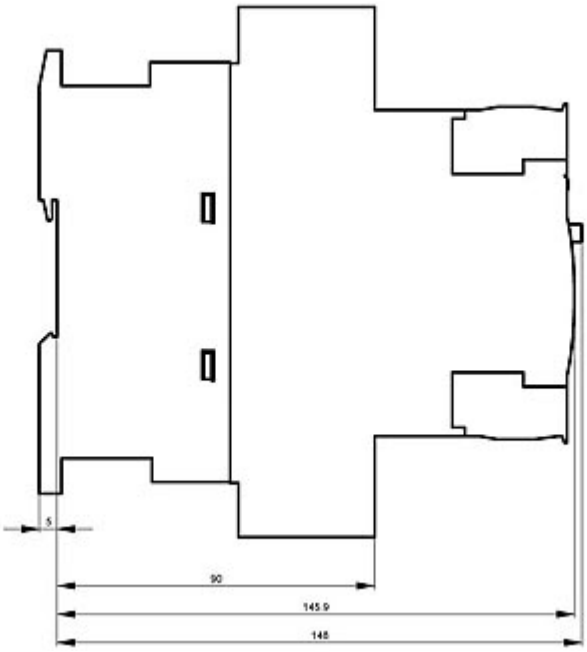
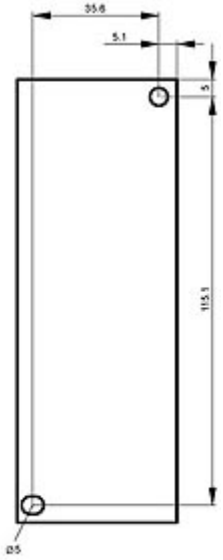
|---|---|---|
| **contact rating of auxiliary contacts according to UL** | | B300 / R300 |

## Further information

**Simulation Tool for Soft Starters (STS)**
https://support.industry.siemens.com/cs/ww/en/view/101494917
**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=3RW4026-2BB14
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4026-2BB14
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RW4026-2BB14
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4026-2BB14&lang=en





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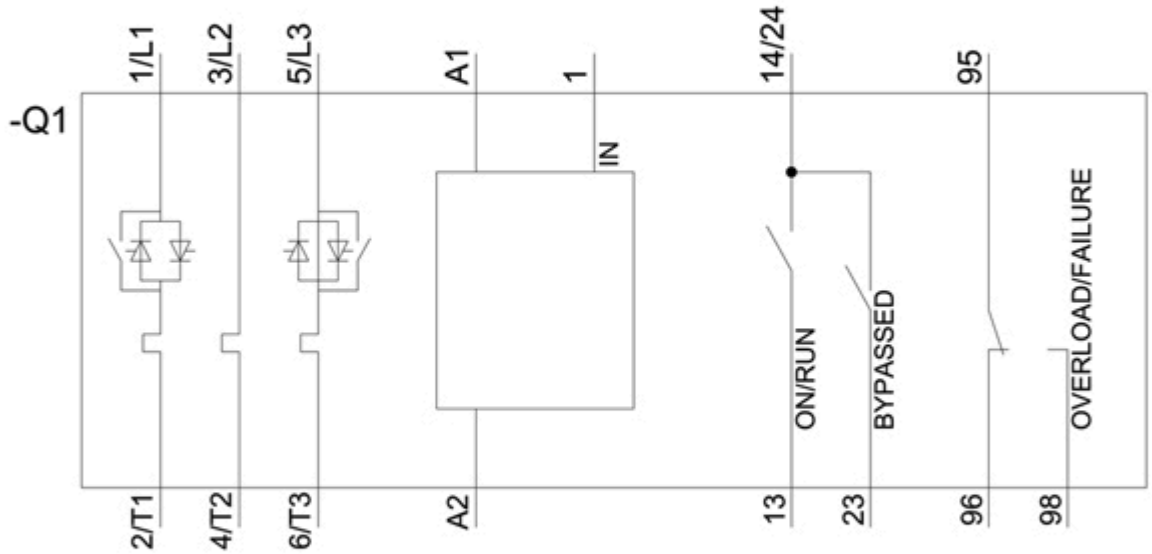


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