SIEMENS

Data sheet 3RW4026-1TB04



SIRIUS soft starter S0 25 A, 11 kW/400 V, 40 $^{\circ}\text{C}$ 200-480 V AC, 24 V AC/DC Screw terminals Thermistor motor protection

| 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 | | Yes |
| 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 according to EN 61346-2 | | Q |
| reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 | | G |
| Power Electronics | | |
| product designation | | Soft starter |
| operational current | | |
| at 40 °C rated value | Α | 25 |
| • at 50 °C rated value | Α | 23 |
| • at 60 °C rated value | Α | 21 |
| yielded mechanical performance for 3-phase motors | | |
| • at 230 V | | |
| at standard circuit at 40 °C rated value | kW | 5.5 |
| • at 400 V | | |
| at standard circuit at 40 °C rated value | kW | 11 |
| 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 standard circuit | % | 10 |
| minimum load [%] | % | 20 |
| adjustable motor current for motor overload protection minimum rated value | Α | 10 |

| continuous operating current [% of leg at 40 °C power loss [W] 4 operational current at 40 °C during operation typical operation typical of voltage of the control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency at AC at 50 Hz rated value voltage at AC at 50 Hz rated value voltage value vo | | | |
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| type of connectable conductor cross-sections at AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables 1x 8, 2x (16 10) 2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²) | | | |
| type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables 2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²) | type of connectable conductor cross-sections at AWG | | 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| ◆ solid ◆ finely stranded with core end processing type of connectable conductor cross-sections at AWG cables 2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²) | type of connectable conductor cross-sections for | | 1x 8, 2x (16 10) |
| ◆ finely stranded with core end processing type of connectable conductor cross-sections at AWG cables | | | 2v (0.5 2.5 mm²) |
| type of connectable conductor cross-sections at AWG cables | | | |
| | type of connectable conductor cross-sections at AWG | | 2x (0.0 1.0 IIIIIF) |
| | | | 2x (20 14) |

| for auxiliary contacts finely stranded with core end processing | | 2x (20 16) |
|---|----|---|
| Ambient conditions | | |
| installation altitude at height above sea level | m | 5 000 |
| environmental category | | |
| during transport according to IEC 60721 | | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| during storage according to IEC 60721 | | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 |
| during operation according 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 on the front according to IEC 60529 | | IP20 |
| touch protection on the front according to IEC 60529 | | finger-safe, for vertical contact from the front |
| Certificates/ approvals | | |

Certificates/ approvals

General Product Approval

EMC





Confirmation







Test Certificates

Marine / Shipping

other

Special Test Certificate

Type Test Certificates/Test Report







Confirmation

Railway

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 |
| contact rating of auxiliary contacts according to UL | | B300 / R300 |
| Further information | | |

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=3RW4026-1TB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4026-1TB04

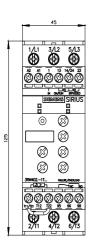
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

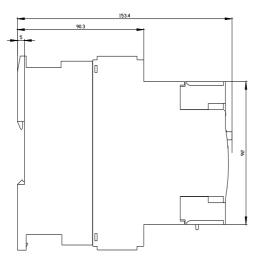
https://support.industry.siemens.com/cs/ww/en/ps/3RW4026-1TB04

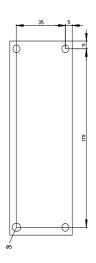
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

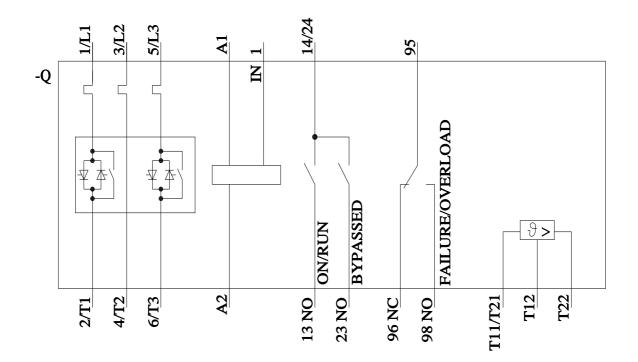
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4026-1TB04&lang=en

SIEMENS KALA









10/28/2022 last modified:

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