SIEMENS

Product data sheet 3RM1001-2AA04



MOTOR STARTER SIRIUS 3RM1 DIRECT STARTER 500 V; 0,1-0,5 A; 24 V DC PUSH-IN CONNECTION SYSTEM

| General technical data: | | | |
|---|----|-------------------------------------|--|
| product designation | | Motor starter | |
| Design of the product | | with electronic overload protection | |
| Protection class IP | | IP20 | |
| Suitability for use / device connector 3ZY12 | | Yes | |
| Installation altitude / at a height over sea level / maximum | m | 4,000 | |
| Ambient temperature | | | |
| during operating | °C | -25 +60 | |
| during transport | °C | -40 + 70 | |
| during storage | °C | -40 + 70 | |
| Resistance against shock | | 6g / 11 ms | |
| Resistance against vibration | | 1 6 Hz, 15 mm; 20 m/s², 500 Hz | |
| Impulse voltage resistance / rated value | kV | 6 | |
| Insulation voltage / rated value | V | 600 | |
| Mechanical operating cycles as operating time / typical | | 30,000,000 | |
| Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 | | 1 kV | |
| Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 | | 2 kV / 5 kHz | |
| Conducted interference as high-frequency radiation according to IEC 61000-4-6 | | 10 V | |

| Electrostatic discharge / according to IEC 61000-4-2 | | 4 kV contact discharge / 8 kV air discharge |
|---|-----|--|
| Field-bound HF-interference emission / according to CISPR11 | | Class B for the domestic, business and commercial environments |
| Conductor-bound HF-interference emission / according to CISPR11 | | Class B for the domestic, business and commercial environments |
| Safety: | | |
| Safety device type / according to IEC 61508-2 | | Туре В |
| Main circuit: | | |
| Operating voltage / rated value / maximum | V | 500 |
| Operating frequency | | |
| •1 | Hz | 50 |
| •2 | Hz | 60 |
| Operating current / at 400 V / for AC / rated value | Α | 0.5 |
| Minimum load in % of I_M | % | 20 |
| Active power loss / typical | W | 0.02 |
| Adjustable response current | | |
| of the current-dependent overload release | Α | 0.1 0.5 |
| Service power / for three-phase servomotors / at 400 V | | |
| • at 50 Hz | kW | 0 0.12 |
| Operating cycles / maximum | 1/s | 1 |
| Control circuit: | | |
| Type of voltage / of the controlled supply voltage | | DC |
| Control supply voltage / 1 | | |
| • for DC / rated value | V | 24 |
| Operating range factor control supply voltage rated value | | |
| • for DC | | 0.8 1.25 |
| Control current | Α | 0.08 |
| Input voltage / at the digital input / with signal <1> | | |
| • for DC | V | 19.2 30 |
| Input current / at the digital input / for signal <1> / typical | Α | 0.01 |
| Start-up delay time | ms | 80 |

| Installation/mounting/dimensions: | | | |
|-----------------------------------|----|----------------------|--|
| mounting position | | vertical, horizontal | |
| Width | mm | 22.5 | |
| Height | mm | 100 | |
| Depth | mm | 141.6 | |

90

ms

Switch-off delay time

| Connections: | | |
|---|---|--|
| Design of the electrical connection | | |
| • for main current circuit | PUSH-IN connection (spring-loaded connection) | |
| for auxiliary and control current circuit | PUSH-IN connection (spring-loaded connection) | |
| Type of the connectable conductor cross-section | | |
| • for main contacts | | |
| • solid | 1x (0.2 4 mm²) | |
| • finely stranded | | |
| with conductor end processing | 1x (0.5 2.5 mm²) | |
| without conductor final cutting | 1x (0.5 4 mm²) | |
| • for AWG conductors | 1x (24 12) | |
| Type of the connectable conductor cross-section | | |
| • for auxiliary contacts | | |
| • solid | 1x (0.2 1.5 mm²), 2x (0.2 1.5 mm²) | |
| • finely stranded | | |
| with conductor end processing | 1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²) | |
| without conductor final cutting | 1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²) | |
| • for AWG conductors | 1x (24 16), 2x (24 16) | |

UL ratings:

Operating current (FLA) / for three-phase squirrel cage motors / at 480 V / rated value $\,$

Α

0.5

Certificates/approvals:

General Product Approval

Declaration of Conformity

Test Certificates







Type Test
Certificates/Test
Report

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

Cax online generator

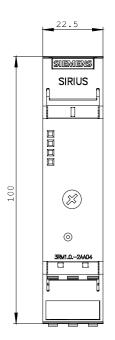
http://www.siemens.com/cax

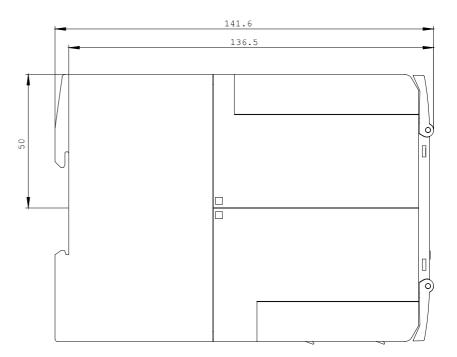
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

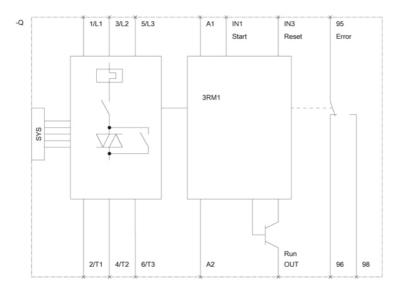
http://support.automation.siemens.com/WW/view/en/3RM1001-2AA04/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RM1001-2AA04







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