



LOAD FEEDER FUSELESS DIRECT START,
AC 400V, SZ S00 7. . .10A,
DC 24V SCREW CONNECTION FOR RAIL-MOUNTING,
TYPE OF COORDINATION 1,
IQ = 150KA 1NO (CONTACTOR)

| Allgemeine technische Daten: | | |
|---|----|-----------------------------|
| product brand name | | SIRIUS |
| Product designation | | non-fused load feeders 3RA2 |
| Size of the load feeder | | S00 |
| Number of poles / for main current circuit | | 3 |
| Installation altitude / at a height over sea level / maximum | m | 2,000 |
| Product function | | |
| • short circuit protection | | Yes |
| • overload protection | | Yes |
| • phase disturbance recognition | | Yes |
| Product component | | |
| • trip indicator | | No |
| • auxiliary switch | | No |
| Product extension / auxiliary switch | | Yes |
| Design of display / for switching status | | Switch setting |
| Insulation voltage / with degree of pollution 3 / rated value | V | 690 |
| Impulse voltage resistance / rated value | kV | 6 |
| Protection class IP | | |
| • on the front | | IP20 |
| Protection against electrical shock | | finger-safe |

| | | |
|--|----|-------------------------------|
| Shock resistance / according to IEC 60068-2-27 | | 6g / 11 ms |
| maximum permissible voltage for safe isolation in networks with non-grounded star point | | |
| Ambient temperature | °C | |
| • during transport | | -50 ... +80 |
| • during storage | | -50 ... 80 |
| • during operating | | -20 ... 60 |
| Manufacturer article number | | |
| • of the circuit-breakers included in the scope of supply | | 3RV2011-1JA10 |
| • of the contactor included in the scope of supply | | 3RT2016-1BB41 |
| • of the RS applied assembly kit | | |
| • of the link module included in the scope of supply | | 3RA1921-1DA00 |
| • of the busbar adapter included in the scope of supply | | |
| • of the RH applied assembly kit | | |

Hauptstromkreis:

| | | |
|--|---|------------|
| Operating current / rated value | A | 16 |
| Mechanical operating cycles as operating time / of the auxiliary contacts / typical | | 30,000,000 |
| Derating factor for rated value of the operational current | | |
| Operating voltage / rated value | V | 690 |
| Voltage type / for main circuit | | AC |
| Frequency | | - |
| Service power / at AC-3 | W | |
| • at 400 V / rated value | | 4,000 |
| • at 500 V rated value | | 5,500 |
| • at 690 V rated value | | 7,500 |
| Operating current / at AC-3 / at 400 V / rated value | A | 8.5 |
| Type of assignment | | 1 |

Steuerstromkreis/ Ansteuerung:

| | | |
|---|---|----|
| Voltage type / for auxiliary and control circuit | | DC |
| Holding power / of the solenoid / for DC | W | 4 |

Hilfsstromkreis:

| | | |
|---|--|---|
| Number of NC contacts / for auxiliary contacts | | 0 |
| Number of NO contacts / for auxiliary contacts | | 1 |
| Number of changeover contacts / for auxiliary contacts | | 0 |

Schutz-/Überwachungsfunktion:

| | | |
|---|--|----------------------|
| Design of the overload circuit breaker | | thermal (bimetallic) |
| Trip class | | CLASS 10 |

| | | |
|--|---|----------|
| Adjustable response current / of the current-dependent overload release | A | 7 ... 10 |
| Design of the short-circuit trip | | magnetic |
| Conditional short-circuit current (I_q) | | |
| • at 400 V / according to IEC 60947-4-1 / rated value | A | 153,000 |
| • at 500 V / according to IEC 60947-4-1 / rated value | A | 42,000 |
| • at 690 V according to IEC 60947-4-1 rated value | | 4,000 |
| Varification of suitability / ATEX | | Yes |

Sicherheitsrelevante Kenngrößen:

| | | |
|--|---|-----------|
| Proportion of dangerous failures | | |
| • with high demand rate / according to SN 31920 | % | 73 |
| B10 value / with high demand rate / according to SN 31920 | | 1,000,000 |

Einbau/ Befestigung/ Abmessungen:

| | | |
|--|----|--|
| Mounting type | | screw and snap-on mounting onto 35 mm standard mounting rail |
| mounting position | | vertical |
| Depth | mm | 97.1 |
| Height | mm | 167.2 |
| Width | mm | 45 |
| Distance, to be maintained, to the ranks assembly | | |
| • upwards | mm | 20 |
| • forwards | mm | 0 |
| • sideways | | 0 |
| • backwards | | 0 |
| • downwards | | 30 |

Anschlüsse/ Klemmen:

| | | |
|--|--|---|
| Arrangement of electrical connectors / for main current circuit | | from the top |
| Design of the electrical connection | | |
| • for main current circuit | | screw-type terminals |
| • for auxiliary and control current circuit | | screw-type terminals |
| Type of the connectable conductor cross-section for main contacts | | |
| • solid or multi-stranded | | 2x (0,75 ... 2,5 mm ²), 2x 4 mm ² |
| • finely stranded | | |
| • with conductor end processing | | 2x (0.5 ... 2.5 mm ²) |
| Type of connectable conductor cross-sections for auxiliary contacts | | |
| • solid or multi-stranded | | 2x (0,5 ... 1,5 mm ²), 2x (0,75 ... 2,5 mm ²) |
| • finely stranded | | |

| | | |
|---|-----|---|
| • with conductor end processing | | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| Type of the connectable conductor cross-section / for AWG conductors | | |
| • for main contacts | | 2x (18 ... 14), 2x 12 |
| • for auxiliary contacts | | 2x (20 ... 16), 2x (18 ... 14) |
| Tightening torque / for main contacts | | |
| • with screw-type terminals | N·m | 0.8 ... 1.2 |
| Design of the thread of the connection screw for main contacts | | |
| M3 | M3 | |
| Tightening torque / for auxiliary contacts | | |
| • with screw-type terminals | N·m | 0.8 ... 1.2 |
| Design of the thread of the connection screw of the auxiliary and control pins | | |
| M3 | M3 | |
| Dimension de la tête de tournevis | | Pozidriv 2 |

UL/CSA Bemessungsdaten:

yielded mechanical performance [hp] / for three-phase squirrel cage motors

- at 200/208 V / rated value
- at 220/230 V / rated value
- at 460/480 V rated value
- at 575/600 V rated value

| | |
|----|-----|
| hp | 2 |
| hp | 3 |
| | 5 |
| | 7.5 |

Full-load current (FLA) / for 3-phase motor

- at 480 V / rated value

| | |
|---|-----|
| A | 7.6 |
|---|-----|

Approbationen/ Zertifikate:

General Product Approval



For use in hazardous locations

Declaration of Conformity

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



other

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

Weitere Informationen:

Information- and Downloadcenter (Kataloge, Broschüren,...)

<http://www.siemens.de/industrial-controls/catalogs>

Industry Mall (Online-Bestellsystem)

<http://www.siemens.de/industrial-controls/mall>

CAX-Online-Generator

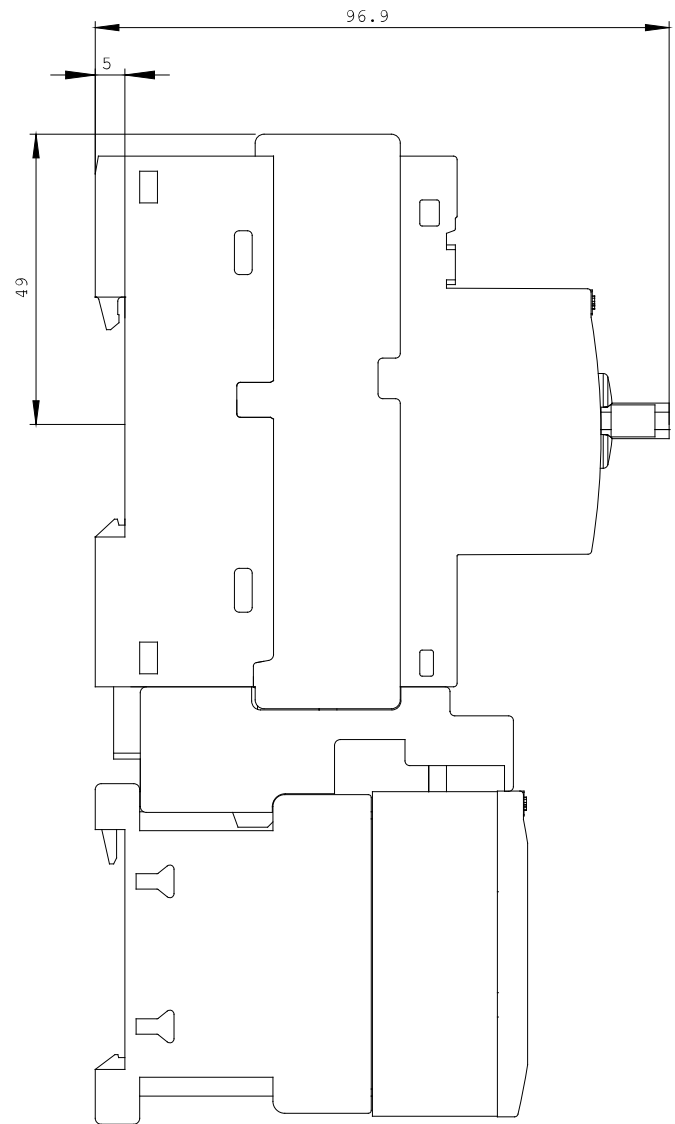
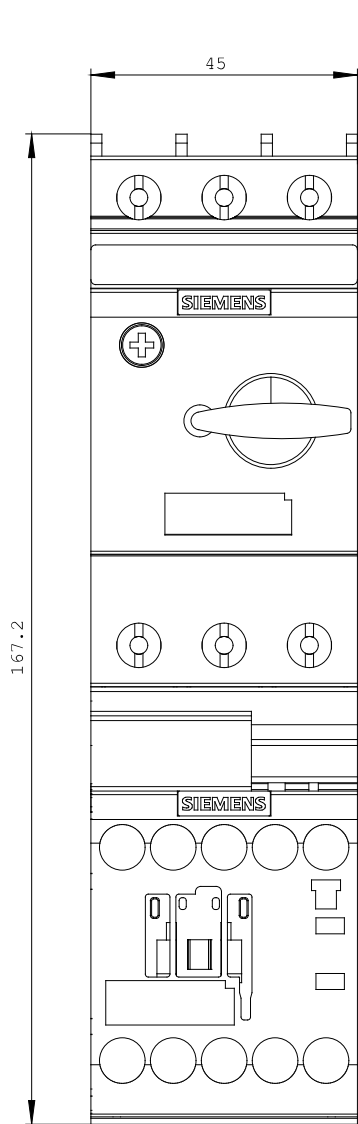
<http://www.siemens.com/cax>

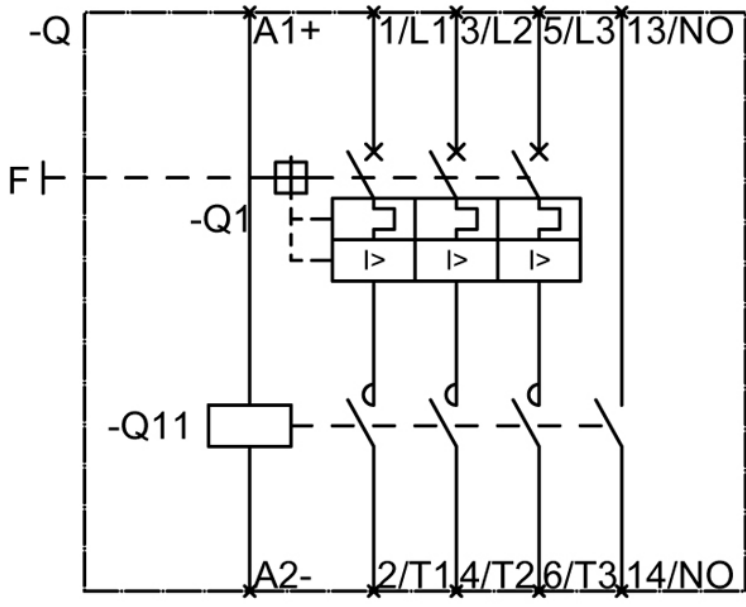
Service&Support (Handbücher, Betriebsanleitungen, Zertifikate, Kennlinien, FAQs,...)

<http://support.automation.siemens.com/WWW/view/de/3RA2110-1JA16-1BB4/all>

Bilddatenbank (Produktfotos, 2D-Maßzeichnungen, 3D-Modelle, Geräteschaltpläne, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1JA16-1BB4





letzte Änderung:

Jul 28, 2014