



FUSELESS LOAD FEEDER REVERSING OPERATION,
 400 V AC, SZ S00 0.22 TO 0.32 A 3 KW,
 230 V AC SCREW TERMINAL FOR 60 MM BUSBAR
 SYSTEMS TYPE OF COORDINATION 2,
 IQ = 150 KA (ALSO FULFILLS TYPE OF COORDINATION
 1) 1NC (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 | | |
| <ul style="list-style-type: none"> during transport during storage during operating | °C | -50 ... +80 -50 ... 80 -20 ... 60 |
| Manufacturer article number | | |
| <ul style="list-style-type: none"> of the circuit-breakers included in the scope of supply of the contactor included in the scope of supply of the RS applied assembly kit of the link module included in the scope of supply of the busbar adapter included in the scope of supply of the RH applied assembly kit | | 3RV2011-0DA10 3RT2015-1AP02 8US1250-5AS10 3RA1921-1DA00 8US1251-5DS10 |

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 | | |
| <ul style="list-style-type: none"> at 400 V / rated value at 500 V rated value at 690 V rated value | W | 90 120 120 |
| Operating current / at AC-3 / at 400 V / rated value | A | 0.3 |
| Type of assignment | | 2 |

Steuerstromkreis/ Ansteuerung:

| | | |
|--|-----|-----|
| Voltage type / for auxiliary and control circuit | | AC |
| Apparent holding power / of the solenoid / for AC | V·A | 4.2 |

Hilfsstromkreis:

| | | |
|---|--|---|
| Number of NC contacts / for auxiliary contacts | | 1 |
| Number of NO contacts / for auxiliary contacts | | 0 |
| 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 | 0.22 ... 0.32 |
| 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 | 100,000 |
| • at 690 V according to IEC 60947-4-1 rated value | | 100,000 |
| 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 | | for snapping onto 60 mm busbar systems |
| mounting position | | vertical |
| Depth | mm | 155.1 |
| Height | mm | 200 |
| Width | mm | 90 |
| 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 | | |
| <ul style="list-style-type: none"> • for main contacts • for auxiliary contacts | | 2x (18 ... 14), 2x 12 2x (20 ... 16), 2x (18 ... 14) |
| Tightening torque / for main contacts | | |
| <ul style="list-style-type: none"> • 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 | | |
| <ul style="list-style-type: none"> • 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 | | |
| <ul style="list-style-type: none"> • at 460/480 V rated value • at 575/600 V rated value | | |
| Full-load current (FLA) / for 3-phase motor | | |
| <ul style="list-style-type: none"> • at 480 V / rated value | A | 0.32 |

Approbationen/ Zertifikate:

| General Product Approval | For use in hazardous locations | Declaration of Conformity |
|--|---|---|
|  CSA |  UL |  EG-Konf. |
|  EAC |  ATEX | |

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

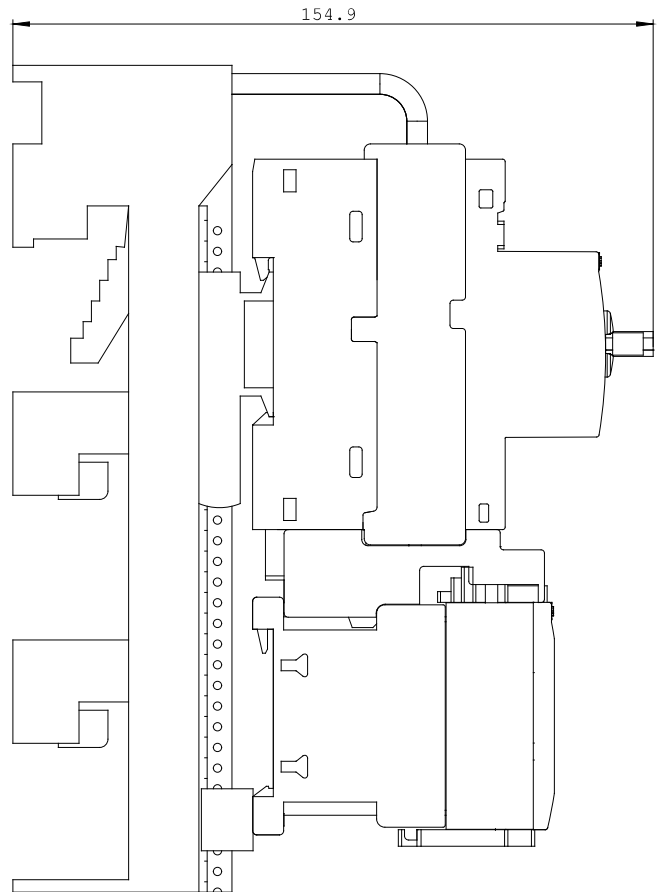
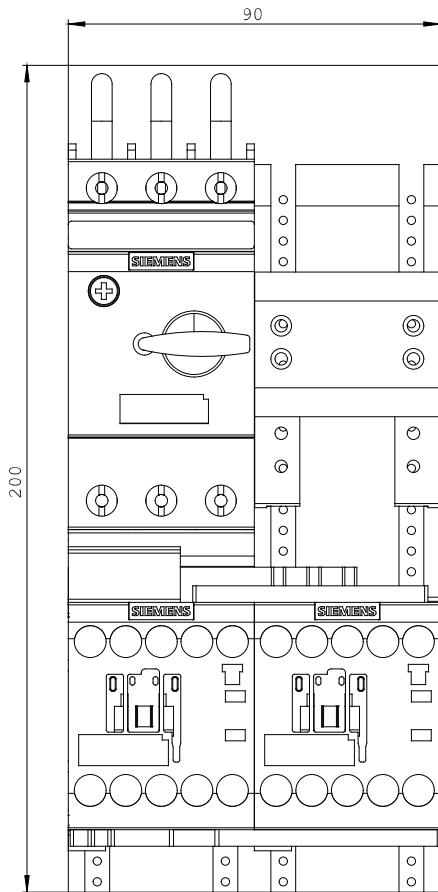
<http://www.siemens.com/cax>

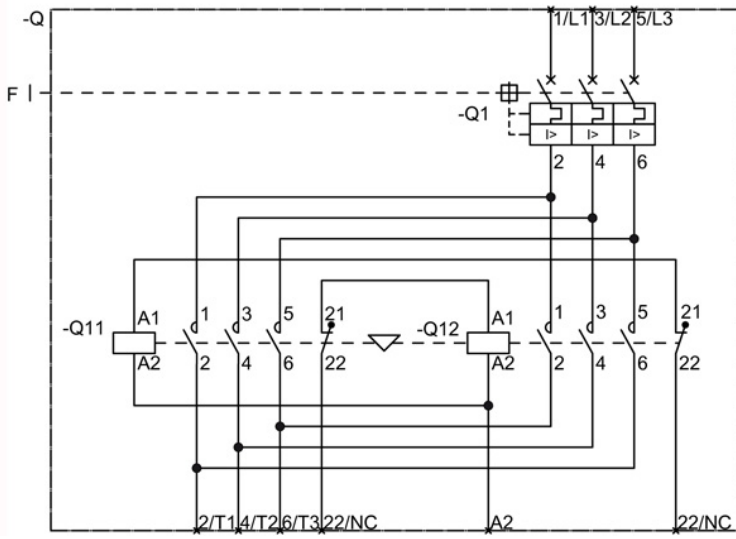
Service&Support (Handbücher, Betriebsanleitungen, Zertifikate, Kennlinien, FAQs,...)

<http://support.automation.siemens.com/WW/view/de/3RA2210-0DD15-2AP0/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0DD15-2AP0





letzte Änderung:

Jul 28, 2014