



Fuseless motor starter Reversing operation 600VAC Size S00 7-10A 24V DC screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 1 1NO+1NC (MSP) 1NC (per contactor)

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| product brand name | SIRIUS |
| product designation | non-fused motor starter 3RA2 |
| design of the product | reversing starter |
| manufacturer's article number | |
| <ul style="list-style-type: none"> • of the supplied contactor • of the supplied circuit-breakers • of the supplied link module | 3RT2016-1BB42 3RV2011-1JA15 3RA1921-1DA00 |
| General technical data | |
| size of the circuit-breaker | S00 |
| size of load feeder | S00 |
| product extension auxiliary switch | Yes |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| degree of pollution | 3 |
| surge voltage resistance rated value | 6 kV |
| shock resistance according to IEC 60068-2-27 | 6g / 11 ms |
| mechanical service life (switching cycles) of contactor typical | 30 000 000 |
| type of assignment | 1 |
| Ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport | -20 ... +60 °C -50 ... +80 °C -55 ... +80 °C |
| Main circuit | |
| number of poles for main current circuit | 3 |
| design of the switching contact | electromechanical |
| adjustable current response value current of the current-dependent overload release | 7 ... 10 A |
| operating voltage | |
| <ul style="list-style-type: none"> • rated value • at AC-3 rated value maximum | 690 V 690 V |
| operating frequency rated value | 50 ... 60 Hz |
| operational current at AC-3 at 400 V rated value | 8.5 A |
| operating power at AC-3 | |
| <ul style="list-style-type: none"> • at 400 V rated value • at 500 V rated value | 4 000 W 5 500 W |
| Control circuit/ Control | |
| control supply voltage at DC | |
| <ul style="list-style-type: none"> • rated value | 24 V |

| | | |
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| holding power of magnet coil at DC | 4 W | |
| Auxiliary circuit | | |
| number of NC contacts for auxiliary contacts | 2 | |
| number of NO contacts for auxiliary contacts | 1 | |
| Protective and monitoring functions | | |
| trip class | CLASS 10 | |
| design of the overload release | thermal (bimetallic) | |
| response value current of instantaneous short-circuit trip unit | 130 A | |
| UL/CSA ratings | | |
| full-load current (FLA) for 3-phase AC motor | | |
| • at 480 V rated value | 7.6 A | |
| • at 600 V rated value | 9 A | |
| yielded mechanical performance [hp] | | |
| • for 3-phase AC motor | | |
| — at 200/208 V rated value | 2 hp | |
| — at 220/230 V rated value | 3 hp | |
| — at 460/480 V rated value | 5 hp | |
| — at 575/600 V rated value | 7.5 hp | |
| Short-circuit protection | | |
| product function short circuit protection | Yes | |
| design of the short-circuit trip | magnetic | |
| conditional short-circuit current (I _q) | | |
| • at 400 V according to IEC 60947-4-1 rated value | 153 000 A | |
| Installation/ mounting/ dimensions | | |
| mounting position | vertical | |
| fastening method | Snap-mounted to DIN rail or screw-mounted with additional push-in lug | |
| height | 170 mm | |
| width | 90 mm | |
| depth | 97.1 mm | |
| required spacing | | |
| • for grounded parts | | |
| — forwards | 0 mm | |
| — backwards | 0 mm | |
| — upwards | 20 mm | |
| — at the side | 9 mm | |
| — downwards | 10 mm | |
| • for live parts | | |
| — forwards | 0 mm | |
| — backwards | 0 mm | |
| — upwards | 20 mm | |
| — downwards | 10 mm | |
| — at the side | 9 mm | |
| Connections/ Terminals | | |
| type of electrical connection for main current circuit | screw-type terminals | |
| type of connectable conductor cross-sections | | |
| • for main contacts stranded | 0.5 ... 4 mm ² , 2x (0.75 ... 2.5 mm ²) | |
| • at AWG cables for main contacts | 2x (20 ... 16), only for contactor 2x (18 ... 14), 2x 12 | |
| connectable conductor cross-section for main contacts finely stranded with core end processing | 0.5 ... 2.5 mm ² | |
| Safety related data | | |
| B10 value with high demand rate according to SN 31920 | 1 000 000 | |
| proportion of dangerous failures with high demand rate according to SN 31920 | 73 % | |
| 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 | | |
| General Product Approval | For use in hazardous locations | Declaration of Conformity |



[Confirmation](#)



EG-Konf.

| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



LRS

| Marine / Shipping | other | Railway |
|-------------------|-------|---------|
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[Confirmation](#)

[Vibration and Shock](#)

| Dangerous Good |
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|----------------|

[Transport Information](#)

| Further information |
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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=3RA2215-1JA16-2BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-1JA16-2BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1JA16-2BB4>

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

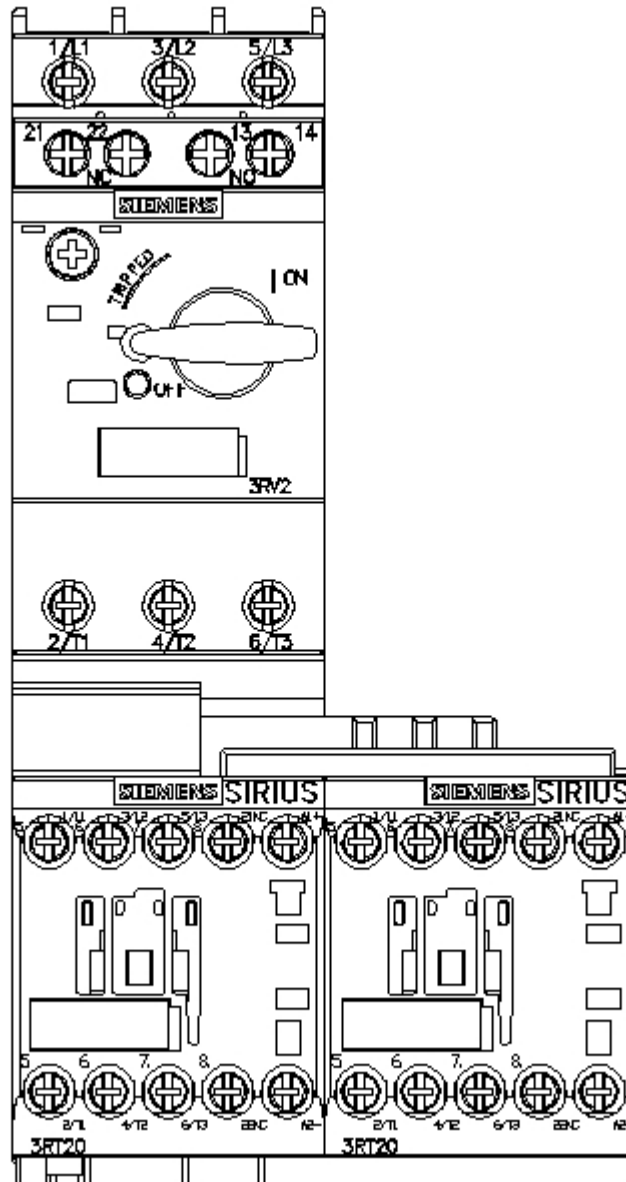
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-1JA16-2BB4&lang=en

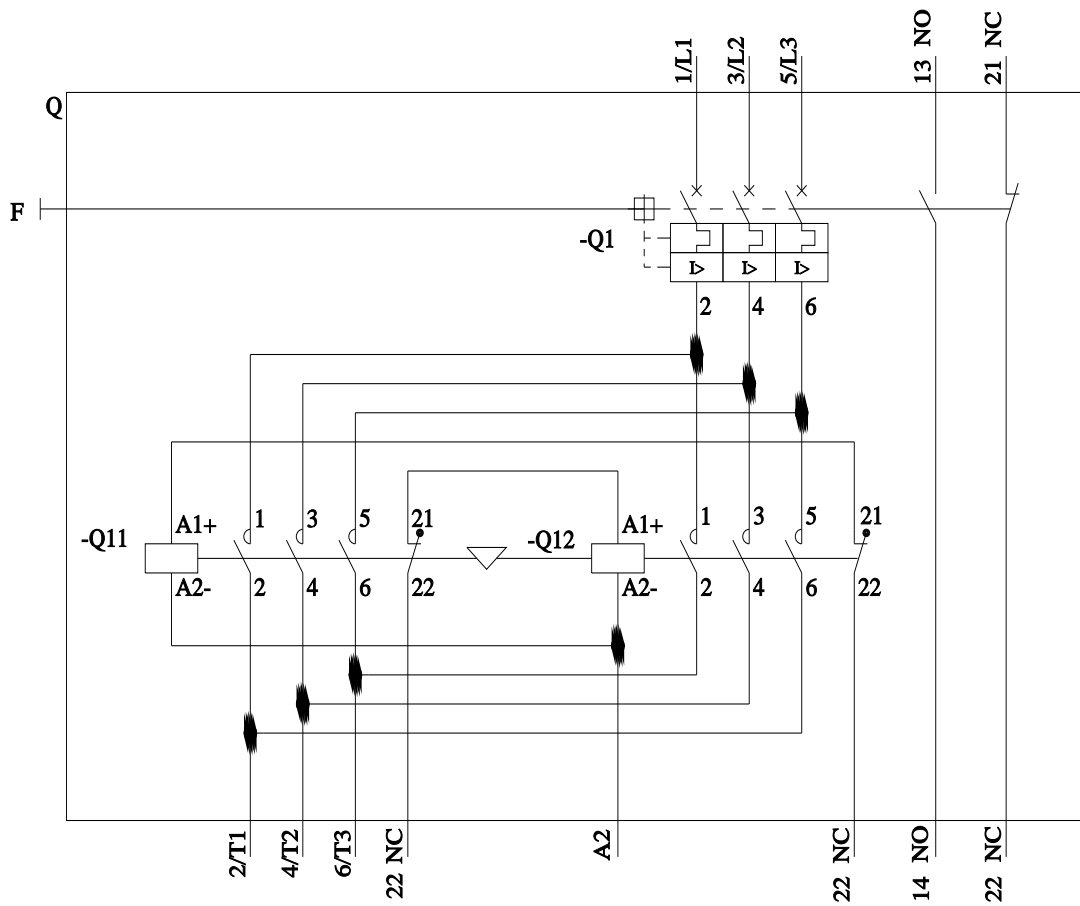
Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-1JA16-2BB4/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-1JA16-2BB4&objecttype=14&gridview=view1>





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