



Fuseless motor starter Direct start 600VAC Size S00 0.9-1.25A 220/240VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NO (contactor)

|   |  |
|---|--|
| product brand name  | SIRIUS   |
| product designation   | non-fused motor starter 3RA2   |
| design of the product   | direct starter   |
| manufacturer's article number   | <ul style="list-style-type: none"> <li>• of the supplied contactor</li> <li>• of the supplied circuit-breakers</li> <li>• of the supplied link module</li> </ul> <a href="#">3RT2015-1AP61</a><br><a href="#">3RV2011-0KA15</a><br><a href="#">3RA1921-1DA00</a> |
| <b>General technical data</b>   |  |
| 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 (operating cycles) of contactor typical                     | 30 000 000   |
| type of coordination  | 2  |
| Net Weight  | 0.58 kg  |
| <b>Ambient conditions</b>   |  |
| ambient temperature   | <ul style="list-style-type: none"> <li>• during operation -20 ... +60 °C</li> <li>• during storage -50 ... +80 °C</li> <li>• during transport -55 ... +80 °C</li> </ul>  |
| <b>Main circuit</b>   |  |
| 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 | 0.9 ... 1.25 A   |
| operating voltage   |  |
| • rated value   | 690 V  |
| • at AC-3 rated value maximum   | 690 V  |
| operating frequency rated value   | 50 ... 60 Hz   |
| operational current at AC-3 at 400 V rated value                                    | 1.1 A  |
| operating power at AC-3   |  |
| • at 400 V rated value  | 370 W  |
| • at 500 V rated value  | 550 W  |
| • at 690 V rated value  | 750 W  |
| <b>Control circuit/ Control</b>   |  |
| control supply voltage at AC  |  |

|  |   |
|--|---|
| • at 50 Hz rated value   | 220 V   |
| • at 50 Hz rated value   | 187 ... 242 V   |
| • at 60 Hz rated value   | 240 V   |
| • at 60 Hz rated value   | 192 ... 264 V   |
| <b>apparent holding power of magnet coil at AC</b>   | 4.8 VA  |
| <b>inductive power factor with the holding power of the coil</b>                               | 0.25  |
| <b>Auxiliary circuit</b>   |   |
| <b>number of NC contacts for auxiliary contacts</b>  | 1   |
| <b>number of NO contacts for auxiliary contacts</b>  | 2   |
| <b>Protective and monitoring functions</b>   |   |
| <b>trip class</b>  | CLASS 10  |
| <b>design of the overload release</b>  | thermal (bimetallic)  |
| response value current of instantaneous short-circuit trip unit                                | 16.25 A   |
| <b>UL/CSA ratings</b>  |   |
| <b>full-load current (FLA) for 3-phase AC motor</b>  |   |
| • at 480 V rated value   | 1.19 A  |
| • at 600 V rated value   | 1.25 A  |
| <b>yielded mechanical performance [hp]</b>   |   |
| • for 3-phase AC motor   |   |
| — at 460/480 V rated value   | 0.5 hp  |
| — at 575/600 V rated value   | 0.5 hp  |
| <b>Short-circuit protection</b>  |   |
| <b>product function short circuit protection</b>   | Yes   |
| <b>design of the short-circuit trip</b>  | magnetic  |
| <b>conditional short-circuit current (Iq)</b>  |   |
| • at 690 V according to IEC 60947-4-1 rated value  | 100 000 A   |
| • at 400 V according to IEC 60947-4-1 rated value  | 153 000 A   |
| • at 500 V according to IEC 60947-4-1 rated value  | 100 000 A   |
| <b>Installation/ mounting/ dimensions</b>  |   |
| <b>mounting position</b>   | vertical  |
| <b>fastening method</b>  | Snap-mounted to DIN rail or screw-mounted with additional push-in lug |
| <b>height</b>  | 167.2 mm  |
| <b>width</b>   | 45 mm   |
| <b>depth</b>   | 97.1 mm   |
| <b>required spacing</b>  |   |
| • 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  |
| <b>Connections/ Terminals</b>  |   |
| <b>type of electrical connection for main current circuit</b>                                  | screw-type terminals  |
| <b>type of connectable conductor cross-sections for main contacts</b>                          | 0.5 ... 4 mm <sup>2</sup> , 2x (0.75 ... 2.5 mm <sup>2</sup> )        |
| stranded   |   |
| connectable conductor cross-section for main contacts finely stranded with core end processing | 0.5 ... 2.5 mm <sup>2</sup>   |
| <b>Safety related data</b>   |   |
| proportion of dangerous failures with high demand rate according to SN 31920                   | 73 %  |
| <b>B10 value with high demand rate according to SN 31920</b>                                   | 1 000 000   |
| <b>Electrical Safety</b>   |   |
| <b>protection class IP on the front according to IEC 60529</b>                                 | IP20  |

touch protection on the front according to IEC 60529

finger-safe, for vertical contact from the front

## Approvals Certificates

General Product Approval

For use in hazardous locations

Test Certificates



[Type Test Certificates/Test Report](#)

Test Certificates

Maritime application

[Special Test Certificate](#)



Maritime application

other

Railway

Environment



[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)

## Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RA2115-0KA15-1AP6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0KA15-1AP6>

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

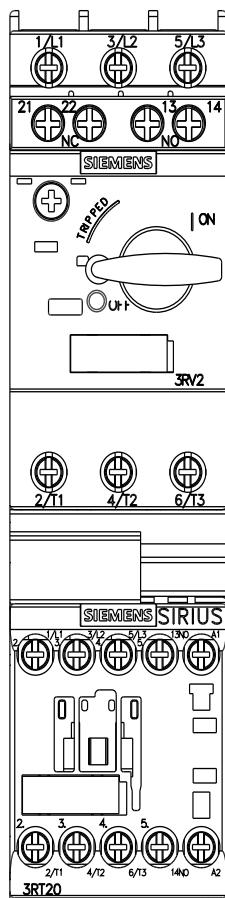
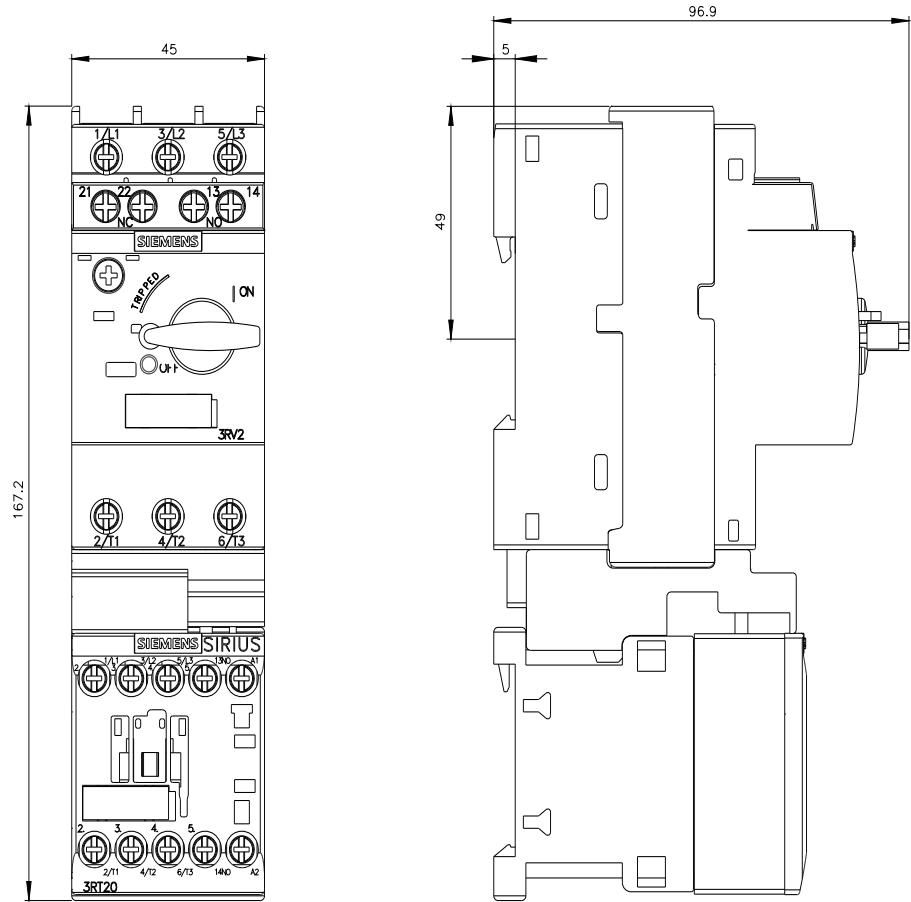
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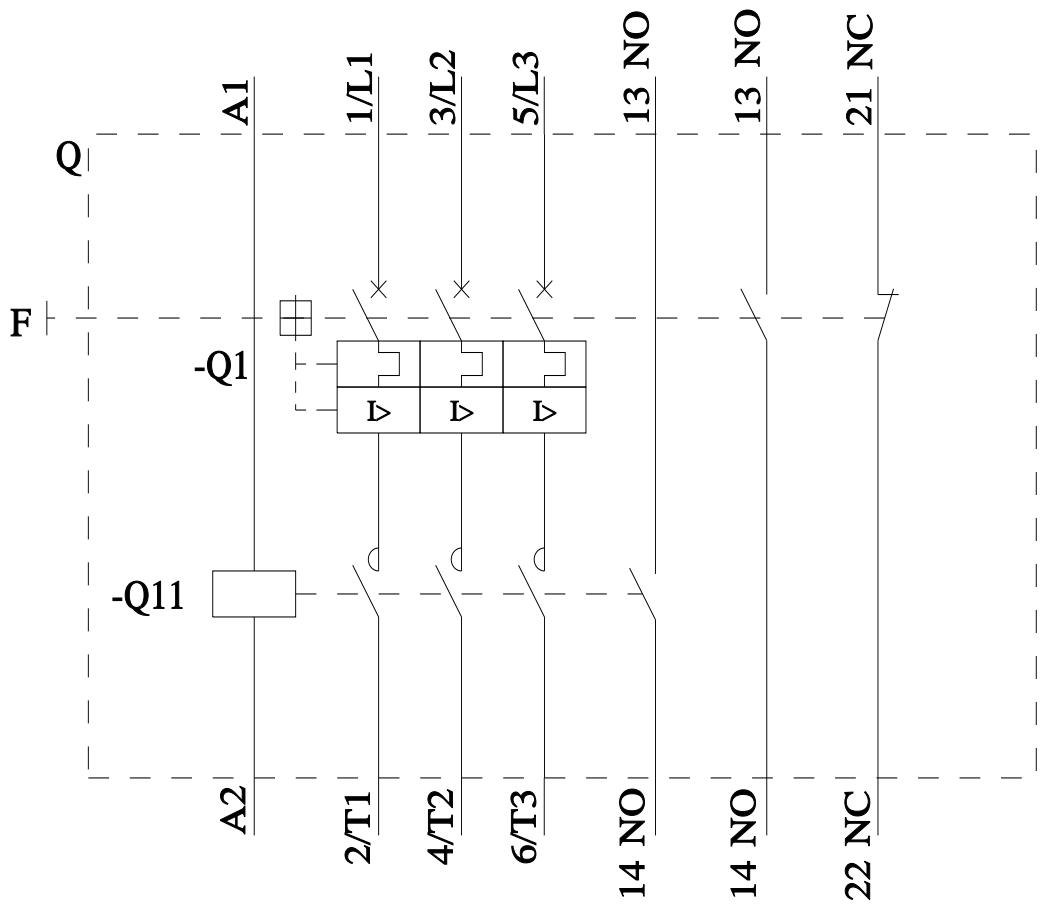
Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0KA15-1AP6>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





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