



Fuseless motor starter Direct start 600VAC Size S00 0.11-0.16a 220/240VAC 50/60HZ screw connection For snapping onto 60 mm busbar systems Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO (contactor)

|                                                                                            |                               |
|--------------------------------------------------------------------------------------------|-------------------------------|
| <b>product brand name</b>                                                                  | SIRIUS                        |
| <b>product designation</b>                                                                 | non-fused motor starter 3RA2  |
| <b>design of the product</b>                                                               | direct starter                |
| <b>manufacturer's article number</b>                                                       |                               |
| • of the supplied contactor                                                                | <a href="#">3RT2015-1AP61</a> |
| • of the supplied circuit-breakers                                                         | <a href="#">3RV2011-0AA10</a> |
| • of the supplied busbar adapter                                                           | <a href="#">8US1251-5DS10</a> |
| • of the supplied link module                                                              | <a href="#">3RA1921-1DA00</a> |
| <b>General technical data</b>                                                              |                               |
| <b>size of the circuit-breaker</b>                                                         | S00                           |
| <b>size of load feeder</b>                                                                 | S00                           |
| product extension auxiliary switch                                                         | Yes                           |
| insulation voltage with degree of pollution 3 at AC rated value                            | 690 V                         |
| <b>degree of pollution</b>                                                                 | 3                             |
| <b>surge voltage resistance rated value</b>                                                | 6 kV                          |
| <b>shock resistance according to IEC 60068-2-27</b>                                        | 6 g / 11 ms                   |
| mechanical service life (operating cycles) of contactor typical                            | 30 000 000                    |
| <b>type of coordination</b>                                                                | 2                             |
| <b>Net Weight</b>                                                                          | 0.84 kg                       |
| <b>Ambient conditions</b>                                                                  |                               |
| <b>ambient temperature</b>                                                                 |                               |
| • during operation                                                                         | -20 ... +60 °C                |
| • during storage                                                                           | -50 ... +80 °C                |
| • during transport                                                                         | -55 ... +80 °C                |
| <b>Main circuit</b>                                                                        |                               |
| <b>number of poles for main current circuit</b>                                            | 3                             |
| <b>design of the switching contact</b>                                                     | electromechanical             |
| <b>adjustable current response value current of the current-dependent overload release</b> | 0.11 ... 0.16 A               |
| <b>operating voltage</b>                                                                   |                               |
| • rated value                                                                              | 690 V                         |
| • at AC-3 rated value maximum                                                              | 690 V                         |
| <b>operating frequency rated value</b>                                                     | 50 ... 60 Hz                  |
| operational current at AC-3 at 400 V rated value                                           | 0.16 A                        |
| operating power at AC-3                                                                    |                               |
| • at 400 V rated value                                                                     | 40 W                          |
| • at 500 V rated value                                                                     | 40 W                          |
| • at 690 V rated value                                                                     | 60 W                          |
| <b>Control circuit/ Control</b>                                                            |                               |

|                                                                                                       |                                                                |                                        |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------|
| <b>control supply voltage at AC</b>                                                                   |                                                                |                                        |
| • 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 NO contacts for auxiliary contacts</b>                                                   | 1                                                              |                                        |
| <b>Protective and monitoring functions</b>                                                            |                                                                |                                        |
| <b>trip class</b>                                                                                     | CLASS 10                                                       |                                        |
| <b>design of the overload release</b>                                                                 | thermal (bimetallic)                                           |                                        |
| <b>response value current of instantaneous short-circuit trip unit</b>                                | 2.08 A                                                         |                                        |
| <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 (I<sub>q</sub>)</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>                                                                               | for snapping onto 60 mm busbar systems                         |                                        |
| <b>height</b>                                                                                         | 200 mm                                                         |                                        |
| <b>width</b>                                                                                          | 45 mm                                                          |                                        |
| <b>depth</b>                                                                                          | 155 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 stranded</b>                        | 0.5 ... 4 mm <sup>2</sup> , 2x (0.75 ... 2.5 mm <sup>2</sup> ) |                                        |
| <b>connectable conductor cross-section for main contacts finely stranded with core end processing</b> | 0.5 ... 2.5 mm <sup>2</sup>                                    |                                        |
| <b>Safety related data</b>                                                                            |                                                                |                                        |
| <b>proportion of dangerous failures with high demand rate according to SN 31920</b>                   | 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                                                           |                                        |
| <b>touch protection on the front according to IEC 60529</b>                                           | finger-safe, for vertical contact from the front               |                                        |
| <b>Approvals Certificates</b>                                                                         |                                                                |                                        |
| <b>Environment</b>                                                                                    | <b>General Product Approval</b>                                | <b>For use in hazard-ous locations</b> |

[Environmental Con-firmations](#)



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| Test Certificates | Maritime application |
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|----------------------|-------|



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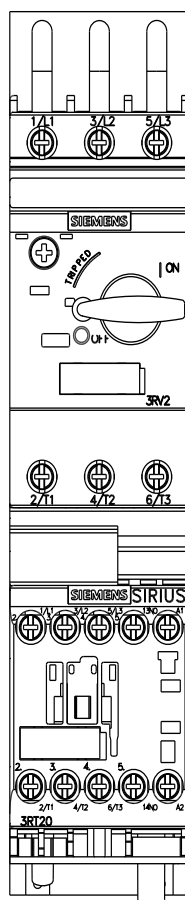
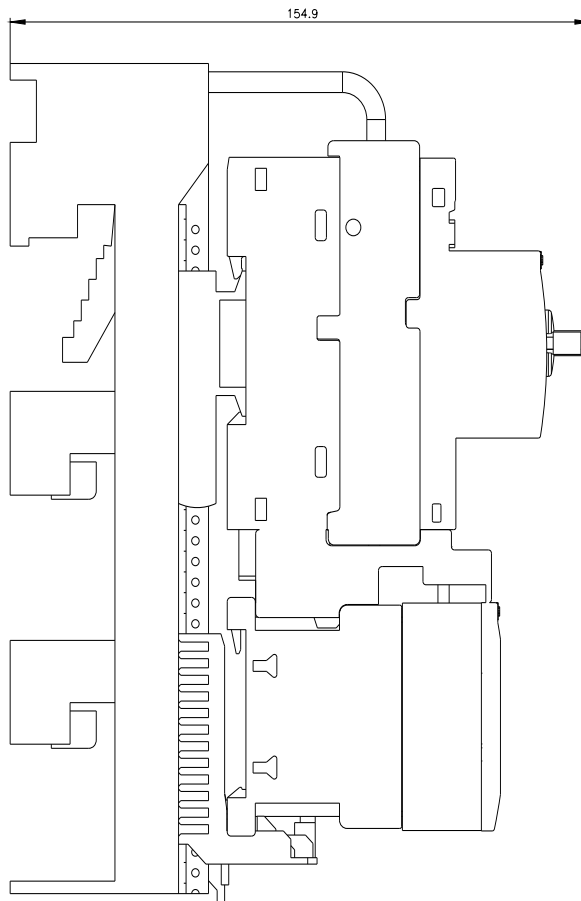
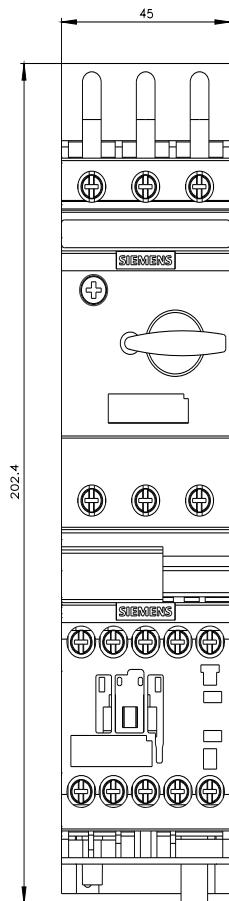


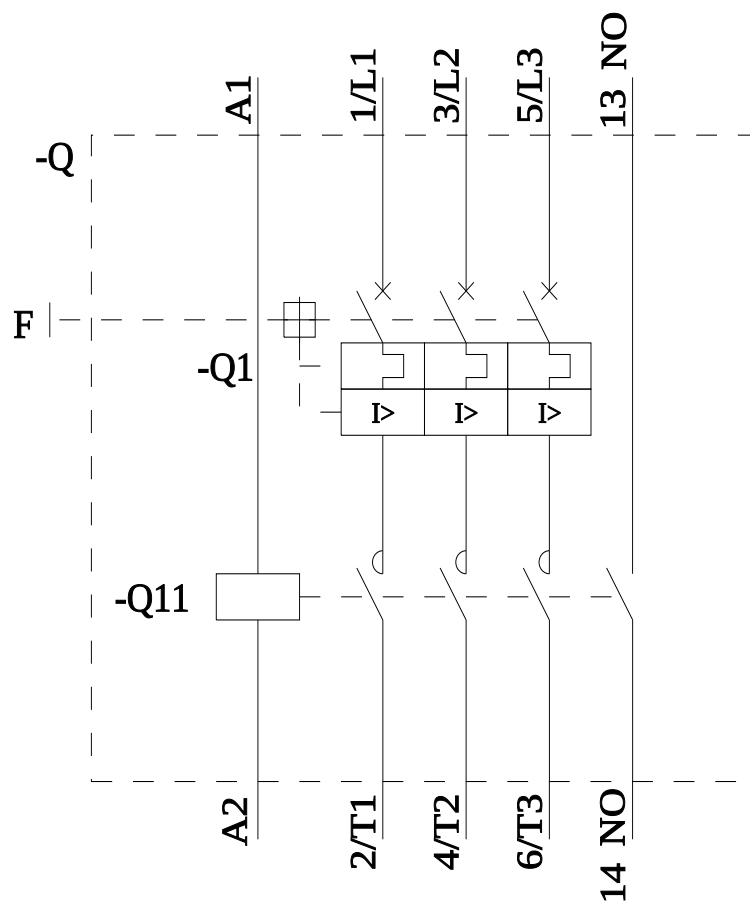
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|---------------------|
| Further information |
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Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>  
 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=3RA2110-0AD15-1AP6>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0AD15-1AP6>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2110-0AD15-1AP6&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0AD15-1AP6&lang=en)  
 Cax online generator  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0AD15-1AP6>  
 Characteristic curves  
[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>)





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