

Fuseless motor starter Direct start 600VAC Size S00 0.28-0.4A 110/120VAC 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+1NC (MSP) 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="#">3RT2015-1AK61</a> |
| • of the supplied circuit-breakers                                                         | <a href="#">3RV2011-0EA15</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>                                                                          | 0.86 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> | 0.28 ... 0.4 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                                           | 0.3 A                         |
| operating power at AC-3                                                                    |                               |
| • at 400 V rated value                                                                     | 90 W                          |
| • at 500 V rated value                                                                     | 120 W                         |
| • at 690 V rated value                                                                     | 180 W                         |
| <b>Control circuit/ Control</b>                                                            |                               |
| <b>control supply voltage at AC</b>                                                        |                               |
| • at 50 Hz rated value                                                                     | 110 V                         |
| • at 50 Hz rated value                                                                     | 93.5 ... 121 V                |
| • at 60 Hz rated value                                                                     | 120 V                         |
| • at 60 Hz rated value                                                                     | 96 ... 132 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                             |

|                                                                                                |                                                  |                                |
|------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------|
| number of NO contacts for auxiliary contacts                                                   | 2                                                |                                |
| Protective and monitoring functions                                                            |                                                  |                                |
| trip class                                                                                     | CLASS 10                                         |                                |
| design of the overload release                                                                 | thermal (bimetallic)                             |                                |
| response value current of instantaneous short-circuit trip unit                                | 5.2 A                                            |                                |
| Short-circuit protection                                                                       |                                                  |                                |
| product function short circuit protection                                                      | Yes                                              |                                |
| design of the short-circuit trip                                                               | magnetic                                         |                                |
| conditional short-circuit current (Iq)                                                         |                                                  |                                |
| • 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                                        |                                |
| Installation/ mounting/ dimensions                                                             |                                                  |                                |
| mounting position                                                                              | vertical                                         |                                |
| fastening method                                                                               | for snapping onto 60 mm busbar systems           |                                |
| height                                                                                         | 200 mm                                           |                                |
| width                                                                                          | 45 mm                                            |                                |
| depth                                                                                          | 155 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 mm², 2x (0.75 ... 2.5 mm²)             |                                |
| connectable conductor cross-section for main contacts finely stranded with core end processing | 0.5 ... 2.5 mm²                                  |                                |
| Safety related data                                                                            |                                                  |                                |
| 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                                        |                                |
| Electrical Safety                                                                              |                                                  |                                |
| 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 |                                |
| Approvals Certificates                                                                         |                                                  |                                |
| Environment                                                                                    | General Product Approval                         | For use in hazardous locations |

[Environmental Conformations](#)



#### Test Certificates

#### Maritime application

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)




[Confirmation](#)
[Confirmation](#)


## Railway

[Special Test Certificate](#)

## 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=3RA2115-0ED15-1AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0ED15-1AK6>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2115-0ED15-1AK6&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0ED15-1AK6&lang=en)

### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0ED15-1AK6>

### 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>)


