

Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.90...1.25 A 24 V DC Spring-type terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, I<sub>q</sub> = 150 kA 1 NO (contactor)

|                                                                                            |                                |
|--------------------------------------------------------------------------------------------|--------------------------------|
| <b>product brand name</b>                                                                  | SIRIUS                         |
| <b>product designation</b>                                                                 | Direct (on-line) starter       |
| <b>design of the product</b>                                                               | for DIN-rail or screw mounting |
| <b>product type designation</b>                                                            | 3RA21                          |
| <b>manufacturer's article number</b>                                                       |                                |
| • of the supplied contactor                                                                | <a href="#">3RT2015-2BB41</a>  |
| • of the supplied circuit-breakers                                                         | <a href="#">3RV2011-0KA20</a>  |
| • of the supplied link module                                                              | <a href="#">3RA2911-2AA00</a>  |
| <b>General technical data</b>                                                              |                                |
| <b>size of the circuit-breaker</b>                                                         | S00                            |
| <b>size of load feeder</b>                                                                 | S00                            |
| <b>power loss [W] for rated value of the current</b>                                       |                                |
| • at AC in hot operating state per pole                                                    | 2.6 W                          |
| • without load current share typical                                                       | 4 W                            |
| <b>type of calculation of power loss current-dependent</b>                                 | quadratic                      |
| insulation voltage with degree of pollution 3 at AC rated value                            | 690 V                          |
| <b>surge voltage resistance rated value</b>                                                | 6 kV                           |
| <b>degree of protection NEMA rating</b>                                                    | other                          |
| <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>reference code according to IEC 81346-2:2019</b>                                        | Q                              |
| <b>Substance Prohibitance (day/month/year)</b>                                             | 10/01/2009                     |
| <b>SVHC substance name</b>                                                                 | Lead CAS-No. 7439-92-1         |
| <b>Net Weight</b>                                                                          | 0.733 g                        |
| <b>Ambient conditions</b>                                                                  |                                |
| <b>ambient temperature</b>                                                                 |                                |
| • during operation                                                                         | -20 ... +60 °C                 |
| • during storage                                                                           | -50 ... +80 °C                 |
| • during transport                                                                         | -50 ... +80 °C                 |
| <b>temperature compensation</b>                                                            | -20 ... +60 °C                 |
| relative humidity during operation                                                         | 10 ... 95 %                    |
| <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> | 0.9 ... 1.25 A                 |
| <b>operating voltage</b>                                                                   |                                |
| • rated value                                                                              | 690 V                          |
| • at AC-3 rated value maximum                                                              | 690 V                          |
| • at AC-3e rated value maximum                                                             | 690 V                          |
| <b>operating frequency rated value</b>                                                     | 50 ... 60 Hz                   |
| <b>operational current</b>                                                                 |                                |
| • at AC-3 at 400 V rated value                                                             | 1.3 A                          |
| • at AC-3e at 400 V rated value                                                            | 1.25 A                         |
| <b>operating power</b>                                                                     |                                |
| • at AC-3                                                                                  |                                |
| — at 400 V rated value                                                                     | 370 W                          |
| • at AC-3e                                                                                 |                                |

|                                                                 |                          |                                                  |
|-----------------------------------------------------------------|--------------------------|--------------------------------------------------|
| — at 400 V rated value                                          |                          | 370 W                                            |
| Control circuit/ Control                                        |                          |                                                  |
| type of voltage of the control supply voltage                   |                          | DC                                               |
| control supply voltage at DC rated value                        |                          | 24 V                                             |
| holding power of magnet coil at DC                              |                          | 4 W                                              |
| Auxiliary circuit                                               |                          |                                                  |
| product extension auxiliary switch                              |                          | Yes                                              |
| Protective and monitoring functions                             |                          |                                                  |
| trip class                                                      |                          | CLASS 10                                         |
| design of the overload release                                  |                          | thermal (bimetallic)                             |
| response value current of instantaneous short-circuit trip unit |                          | 16 A                                             |
| UL/CSA ratings                                                  |                          |                                                  |
| full-load current (FLA) for 3-phase AC motor                    |                          |                                                  |
| • at 480 V rated value                                          |                          | 1.3 A                                            |
| • at 600 V rated value                                          |                          | 1.3 A                                            |
| yielded mechanical performance [hp]                             |                          |                                                  |
| • for 3-phase AC motor                                          |                          |                                                  |
| — at 460/480 V rated value                                      |                          | 0.8 hp                                           |
| — at 575/600 V rated value                                      |                          | 0.8 hp                                           |
| Short-circuit protection                                        |                          |                                                  |
| product function short circuit protection                       |                          | Yes                                              |
| design of the short-circuit trip                                |                          | magnetic                                         |
| conditional short-circuit current (Iq)                          |                          |                                                  |
| • at 400 V according to IEC 60947-4-1 rated value               |                          | 150 000 A                                        |
| Installation/ mounting/ dimensions                              |                          |                                                  |
| mounting position                                               |                          | vertical                                         |
| fastening method                                                |                          | screw and snap-on mounting onto 35 mm DIN rail   |
| height                                                          |                          | 198 mm                                           |
| width                                                           |                          | 45 mm                                            |
| depth                                                           |                          | 97 mm                                            |
| required spacing                                                |                          |                                                  |
| • for grounded parts                                            |                          |                                                  |
| — forwards                                                      |                          | 20 mm                                            |
| — backwards                                                     |                          | 0 mm                                             |
| — upwards                                                       |                          | 50 mm                                            |
| — at the side                                                   |                          | 20 mm                                            |
| — downwards                                                     |                          | 10 mm                                            |
| • for live parts                                                |                          |                                                  |
| — forwards                                                      |                          | 20 mm                                            |
| — backwards                                                     |                          | 0 mm                                             |
| — upwards                                                       |                          | 50 mm                                            |
| — downwards                                                     |                          | 10 mm                                            |
| — at the side                                                   |                          | 20 mm                                            |
| Connections/ Terminals                                          |                          |                                                  |
| type of electrical connection                                   |                          |                                                  |
| • for main current circuit                                      |                          | spring-loaded terminals                          |
| • for auxiliary and control circuit                             |                          | spring-loaded terminals                          |
| Safety related data                                             |                          |                                                  |
| product function suitable for safety function                   |                          | Yes                                              |
| Electrical Safety                                               |                          |                                                  |
| touch protection on the front according to IEC 60529            |                          | finger-safe, for vertical contact from the front |
| Communication/ Protocol                                         |                          |                                                  |
| protocol is supported                                           |                          |                                                  |
| • PROFINET IO protocol                                          |                          | No                                               |
| • PROFIsafe protocol                                            |                          | No                                               |
| protocol is supported AS-Interface protocol                     |                          | No                                               |
| Approvals Certificates                                          |                          |                                                  |
| Environment                                                     | General Product Approval | For use in hazard-                               |

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firmations](#)



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#### 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=3RA2110-0KE15-1BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0KE15-1BB4>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2110-0KE15-1BB4&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0KE15-1BB4&lang=en)

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0KE15-1BB4>

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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