



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 4.50...6.30 A 24 V DC Spring-type terminal for 60 mm busbar systems Type of coordination 1, Iq = 150 kA 1 NO (contactor) Adapter length 200 mm

|                                                                                                                                                                                                            |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>product brand name</b>                                                                                                                                                                                  | SIRIUS                                                                                                                           |
| <b>product designation</b>                                                                                                                                                                                 | Direct (on-line) starter                                                                                                         |
| <b>design of the product</b>                                                                                                                                                                               | for 60 mm busbars                                                                                                                |
| <b>product type designation</b>                                                                                                                                                                            | 3RA21                                                                                                                            |
| <b>manufacturer's article number</b>                                                                                                                                                                       |                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• of the supplied contactor</li> <li>• of the supplied circuit-breakers</li> <li>• of the supplied busbar adapter</li> <li>• of the supplied link module</li> </ul> | <a href="#">3RT2015-2BB41</a><br><a href="#">3RV2011-1GA20</a><br><a href="#">8US1251-5DS11</a><br><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>                                                                                                                                                       |                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• at AC in hot operating state per pole</li> <li>• without load current share typical</li> </ul>                                                                    | 2.6 W<br>4 W                                                                                                                     |
| 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>                                                                                                                                                        | 6g / 11 ms                                                                                                                       |
| mechanical service life (operating cycles) of contactor typical                                                                                                                                            | 30 000 000                                                                                                                       |
| <b>type of coordination</b>                                                                                                                                                                                | 1                                                                                                                                |
| <b>reference code according to IEC 81346-2:2019</b>                                                                                                                                                        | Q                                                                                                                                |
| <b>Substance Prohibitance (Date)</b>                                                                                                                                                                       | 10/01/2009                                                                                                                       |
| <b>SVHC substance name</b>                                                                                                                                                                                 | Lead - 7439-92-1                                                                                                                 |
| <b>Weight</b>                                                                                                                                                                                              | 1.188 kg                                                                                                                         |
| <b>Ambient conditions</b>                                                                                                                                                                                  |                                                                                                                                  |
| <b>ambient temperature</b>                                                                                                                                                                                 |                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>                                                                                 | -20 ... +60 °C<br>-50 ... +80 °C<br>-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>                                                                                                                 | 4.5 ... 6.3 A                                                                                                                    |
| <b>operating voltage</b>                                                                                                                                                                                   |                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• rated value</li> <li>• at AC-3 rated value maximum</li> </ul>                                                                                                     | 690 V<br>690 V                                                                                                                   |

|                                                                                                                                                                                                                                                          |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <ul style="list-style-type: none"> <li>at AC-3e rated value maximum</li> </ul>                                                                                                                                                                           | 690 V                                    |
| <b>operating frequency rated value</b>                                                                                                                                                                                                                   | 50 ... 60 Hz                             |
| <b>operational current</b>                                                                                                                                                                                                                               |                                          |
| <ul style="list-style-type: none"> <li>at AC-3 at 400 V rated value</li> </ul>                                                                                                                                                                           | 6.3 A                                    |
| <ul style="list-style-type: none"> <li>at AC-3e at 400 V rated value</li> </ul>                                                                                                                                                                          | 6.3 A                                    |
| <b>operating power</b>                                                                                                                                                                                                                                   |                                          |
| <ul style="list-style-type: none"> <li>at AC-3 <ul style="list-style-type: none"> <li>at 400 V rated value</li> </ul> </li> </ul>                                                                                                                        | 2 200 W                                  |
| <ul style="list-style-type: none"> <li>at AC-3e <ul style="list-style-type: none"> <li>at 400 V rated value</li> </ul> </li> </ul>                                                                                                                       | 2 200 W                                  |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                          |                                          |
| <b>type of voltage of the control supply voltage</b>                                                                                                                                                                                                     | DC                                       |
| <b>control supply voltage at DC rated value</b>                                                                                                                                                                                                          | 24 V                                     |
| <b>holding power of magnet coil at DC</b>                                                                                                                                                                                                                | 4 W                                      |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                                 |                                          |
| <b>product extension auxiliary switch</b>                                                                                                                                                                                                                | Yes                                      |
| <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>                                                                                                                                                                                   | 82 A                                     |
| <b>UL/CSA ratings</b>                                                                                                                                                                                                                                    |                                          |
| <b>full-load current (FLA) for 3-phase AC motor</b>                                                                                                                                                                                                      |                                          |
| <ul style="list-style-type: none"> <li>at 480 V rated value</li> </ul>                                                                                                                                                                                   | 4.8 A                                    |
| <ul style="list-style-type: none"> <li>at 600 V rated value</li> </ul>                                                                                                                                                                                   | 6.1 A                                    |
| <b>yielded mechanical performance [hp]</b>                                                                                                                                                                                                               |                                          |
| <ul style="list-style-type: none"> <li>for single-phase AC motor <ul style="list-style-type: none"> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> </ul>                                                                    | 0.25 hp<br>0.75 hp                       |
| <ul style="list-style-type: none"> <li>for 3-phase AC motor <ul style="list-style-type: none"> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul> | 1.5 hp<br>2 hp<br>3 hp<br>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 (I<sub>q</sub>)</b>                                                                                                                                                                                                 |                                          |
| <ul style="list-style-type: none"> <li>at 400 V according to IEC 60947-4-1 rated value</li> </ul>                                                                                                                                                        | 150 000 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>                                                                                                                                                                                                                                            | 230 mm                                   |
| <b>width</b>                                                                                                                                                                                                                                             | 45 mm                                    |
| <b>depth</b>                                                                                                                                                                                                                                             | 155 mm                                   |
| <b>required spacing</b>                                                                                                                                                                                                                                  |                                          |
| <ul style="list-style-type: none"> <li>for grounded parts <ul style="list-style-type: none"> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> </ul> </li> </ul>                                             | 20 mm<br>0 mm<br>50 mm<br>20 mm<br>10 mm |
| <ul style="list-style-type: none"> <li>for live parts <ul style="list-style-type: none"> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> </ul>                                                 | 20 mm<br>0 mm<br>50 mm<br>10 mm<br>20 mm |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                            |                                          |
| <b>type of electrical connection</b>                                                                                                                                                                                                                     |                                          |
| <ul style="list-style-type: none"> <li>for main current circuit</li> </ul>                                                                                                                                                                               | 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

##### General Product Approval

For use in hazard-  
ous locations

##### Test Certificates



EG-Konf.



UL



ATEX

[Type Test Certificates/Test Report](#)

##### Test Certificates

##### Maritime application

[Special Test Certificate](#)



ABS



BUREAU  
VERITAS



DNV



LRS



PRS

##### Maritime application

##### other

##### Dangerous goods

##### Environment



RINA



RMRS



[Confirmation](#)

[Transport Information](#)

[Environmental Confirmations](#)

#### Further information

##### Information on the packaging

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

##### 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=3RA2110-1GS15-1BB4>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1GS15-1BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1GS15-1BB4>

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

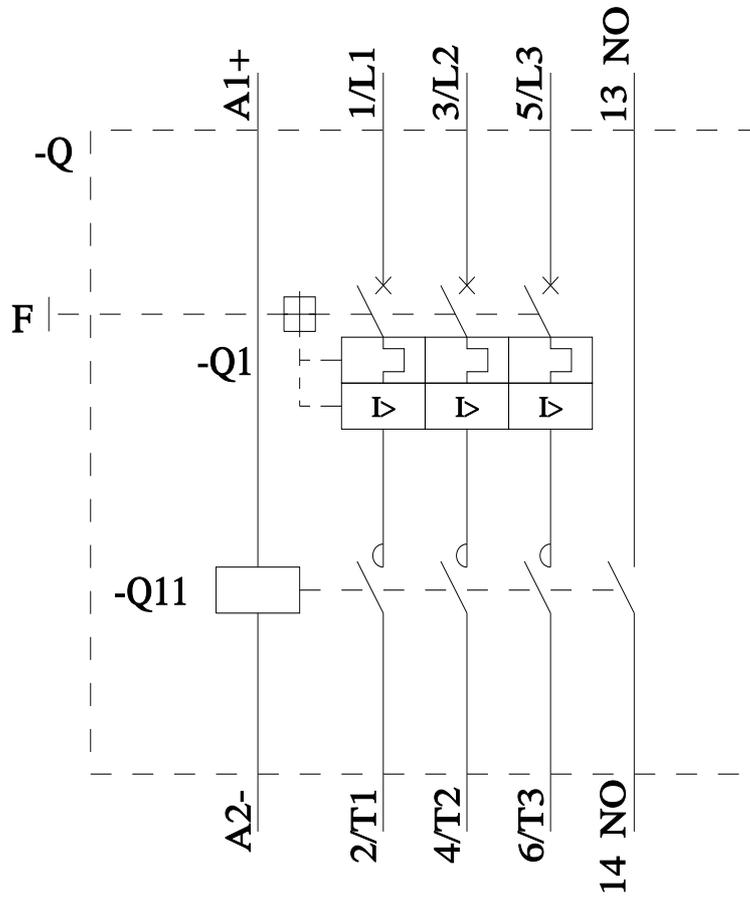
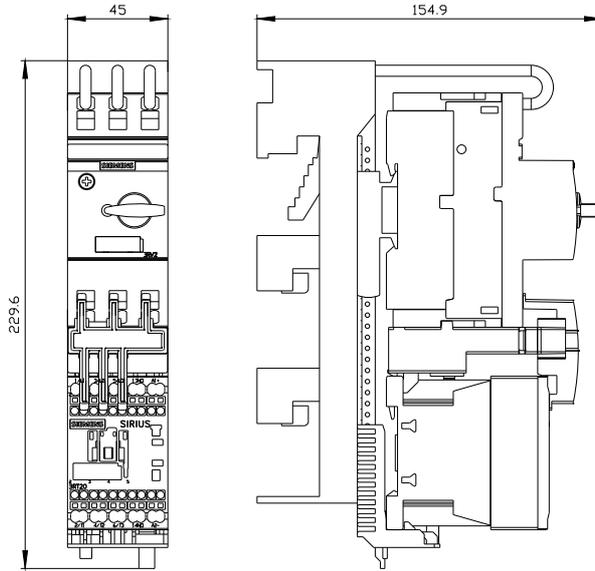
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2110-1GS15-1BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1GS15-1BB4&lang=en)

##### Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1GS15-1BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1GS15-1BB4&objecttype=14&gridview=view1>



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