



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.55...0.80 A 24 V DC Spring-type terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, I<sub>q</sub> = 150 kA 1 NO (contactor) Adapter length 200 mm

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| <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="#">3RV2011-0HA20</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>  | 2  |
| <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>  | 1.106 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>   | 0.55 ... 0.8 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>   | 0.8 A  |
| <ul style="list-style-type: none"> <li>at AC-3e at 400 V rated value</li> </ul>  | 0.8 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>  | 180 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>   | 180 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)                             |
| response value current of instantaneous short-circuit trip unit  | 10 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>   | 0.8 A  |
| <ul style="list-style-type: none"> <li>at 600 V rated value</li> </ul>   | 0.8 A  |
| <b>yielded mechanical performance [hp]</b>   |  |
| <ul style="list-style-type: none"> <li>for 3-phase AC motor <ul style="list-style-type: none"> <li>at 460/480 V rated value</li> </ul> </li> </ul>   | 0.5 hp   |
| <ul style="list-style-type: none"> <li>at 575/600 V rated value</li> </ul>   | 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 (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                          |
| <ul style="list-style-type: none"> <li>for auxiliary and control circuit</li> </ul>  | spring-loaded terminals                          |
| <b>Safety related data</b>   |  |
| product function suitable for safety function  | Yes  |
| <b>Electrical Safety</b>   |  |
| <b>touch protection on the front according to IEC 60529</b>  | finger-safe, for vertical contact from the front |

**Communication/ Protocol**

|   |    |
|---|----|
| <b>protocol is supported</b>                |    |
| • PROFINET IO protocol                      | No |
| • PROFIsafe protocol                        | No |
| protocol is supported AS-Interface protocol | No |

**Approvals Certificates**

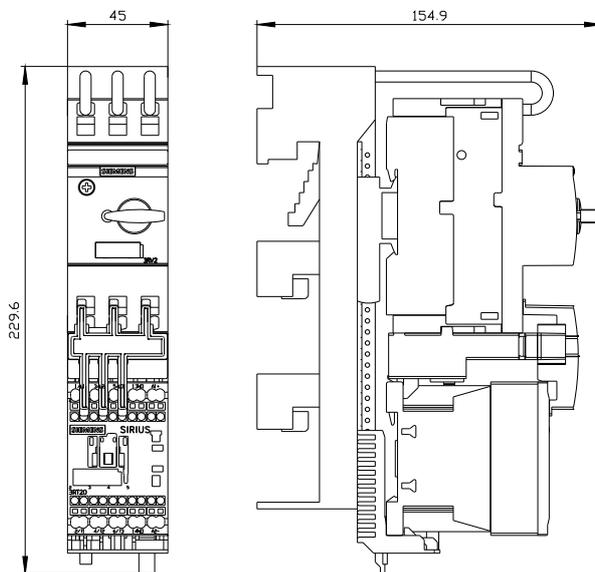
|   |   |   |
|---|---|---|
| <b>General Product Approval</b>   | <b>For use in hazardous locations</b>   | <b>Test Certificates</b>  |
| <br>EG-Konf. |            | <br>UL |
|              | <br>ATEX | <a href="#">Type Test Certificates/Test Report</a>                                      |

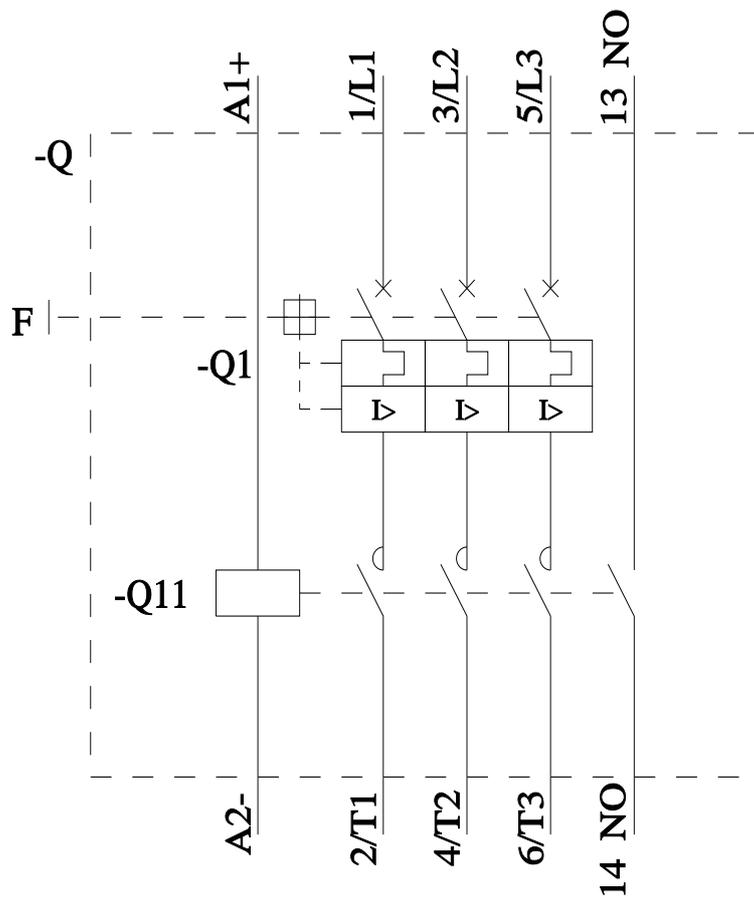
|  |   |
|--|---|
| <b>Test Certificates</b>                 | <b>Maritime application</b>   |
| <a href="#">Special Test Certificate</a> | <br>ABS            |
|  | <br>BUREAU VERITAS |
|  | <br>DNV            |
|  | <br>LRS          |
|  | <br>PRS          |

|   |   |                                       |  |
|---|---|---------------------------------------|--|
| <b>Maritime application</b>   | <b>other</b>  | <b>Dangerous goods</b>                | <b>Environment</b>   |
| <br>RINA | <br>RMRS | <a href="#">Confirmation</a>          | <br>产品合格<br>QC PASS |
|   |   | <a href="#">Transport Information</a> | <a href="#">Environmental Confirmations</a>  |

**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=3RA2110-0HS15-1BB4>  
 Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0HS15-1BB4>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0HS15-1BB4>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2110-0HS15-1BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0HS15-1BB4&lang=en)  
 Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current  
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0HS15-1BB4/char>  
 Further characteristics (e.g. electrical endurance, switching frequency)  
<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0HS15-1BB4&objecttype=14&gridview=view1>





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