



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.55...0.80 A 230 V AC 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 standard rail or screw mounting |
| <b>product type designation</b>  | 3RA21                               |
| <b>manufacturer's article number</b>   |                                     |
| • of the supplied contactor  | 3RT2015-2AP01                       |
| • of the supplied circuit-breakers   | 3RV2011-0HA20                       |
| • of the supplied link module  | 3RA2911-2AA00                       |
| <b>General technical data</b>  |                                     |
| <b>size of the circuit-breaker</b>   | S00                                 |
| <b>size of load feeder</b>   | S00                                 |
| insulation voltage with degree of pollution 3 at AC rated value                            | 690 V                               |
| <b>surge voltage resistance rated value</b>  | 6 kV                                |
| shock resistance acc. to IEC 60068-2-27  | 6g / 11 ms                          |
| mechanical service life (switching cycles) of contactor typical                            | 30 000 000                          |
| <b>type of assignment</b>  | 2                                   |
| <b>type of protection according to ATEX directive 2014/34/EU</b>                           | Ex II (2) GD                        |
| certificate of suitability according to ATEX directive 2014/34/EU                          | DMT 02 ATEX F 001                   |
| Substance Prohibition (Date)   | 01.10.2009 00:00:00                 |
| <b>Ambient conditions</b>  |                                     |
| • ambient temperature during operation   | -20 ... +60 °C                      |
| • ambient temperature during storage   | -50 ... +80 °C                      |
| • ambient temperature 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> | 0.55 ... 0.8 A                      |
| • operating voltage rated value  | 690 V                               |
| • operating voltage 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   | 0.6 A                               |

|   |  |                           |
|---|--|---------------------------|
| operating power at AC-3<br>• at 400 V rated value   | 180 W  |                           |
| <b>Control circuit/ Control</b>   |  |                           |
| <b>type of voltage of the control supply voltage</b>  | AC   |                           |
| <b>control supply voltage at AC</b><br>• at 50 Hz rated value<br>• at 60 Hz rated value   | 230 V<br>230 V   |                           |
| <b>apparent holding power of magnet coil at AC</b>  | 4.2 V·A  |                           |
| <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>UL/CSA ratings</b>   |  |                           |
| <b>full-load current (FLA) for 3-phase AC motor</b><br>• at 480 V rated value   | 0.8 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><br>• at 400 V acc. to IEC 60947-4-1 rated value  | 150 000 A  |                           |
| <b>Installation/ mounting/ dimensions</b>   |  |                           |
| <b>mounting position</b>  | vertical   |                           |
| <b>fastening method</b>   | screw and snap-on mounting onto 35 mm standard mounting rail                             |                           |
| <b>height</b>   | 198 mm   |                           |
| <b>width</b>  | 45 mm  |                           |
| <b>depth</b>  | 97 mm  |                           |
| <b>required spacing</b><br>• for grounded parts<br>— forwards<br>— backwards<br>— upwards<br>— at the side<br>— downwards<br>• for live parts<br>— forwards<br>— backwards<br>— upwards<br>— downwards<br>— at the side | 20 mm<br>0 mm<br>50 mm<br>20 mm<br>10 mm<br><br>20 mm<br>0 mm<br>50 mm<br>10 mm<br>20 mm |                           |
| <b>Connections/ Terminals</b>   |  |                           |
| <b>type of electrical connection</b><br>• for main current circuit  | spring-loaded terminals  |                           |
| <b>Safety related data</b>  |  |                           |
| B10 value with high demand rate acc. to SN 31920  | 1 000 000  |                           |
| <b>proportion of dangerous failures</b><br>• with high demand rate acc. to SN 31920   | 73 %   |                           |
| <b>touch protection on the front acc. to IEC 60529</b>  | finger-safe, for vertical contact from the front   |                           |
| <b>Certificates/ approvals</b>  |  |                           |
| General Product Approval  | For use in hazardous locations   | Declaration of Conformity |



[Miscellaneous](#)



| Test Certificates | Marine / Shipping |
|-------------------|-------------------|
|-------------------|-------------------|

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



| Marine / Shipping | other | Railway |
|-------------------|-------|---------|
|-------------------|-------|---------|



[Confirmation](#)

[Vibration and Shock](#)

### Further information

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=3RA2110-0HE15-1AP0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0HE15-1AP0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0HE15-1AP0>

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

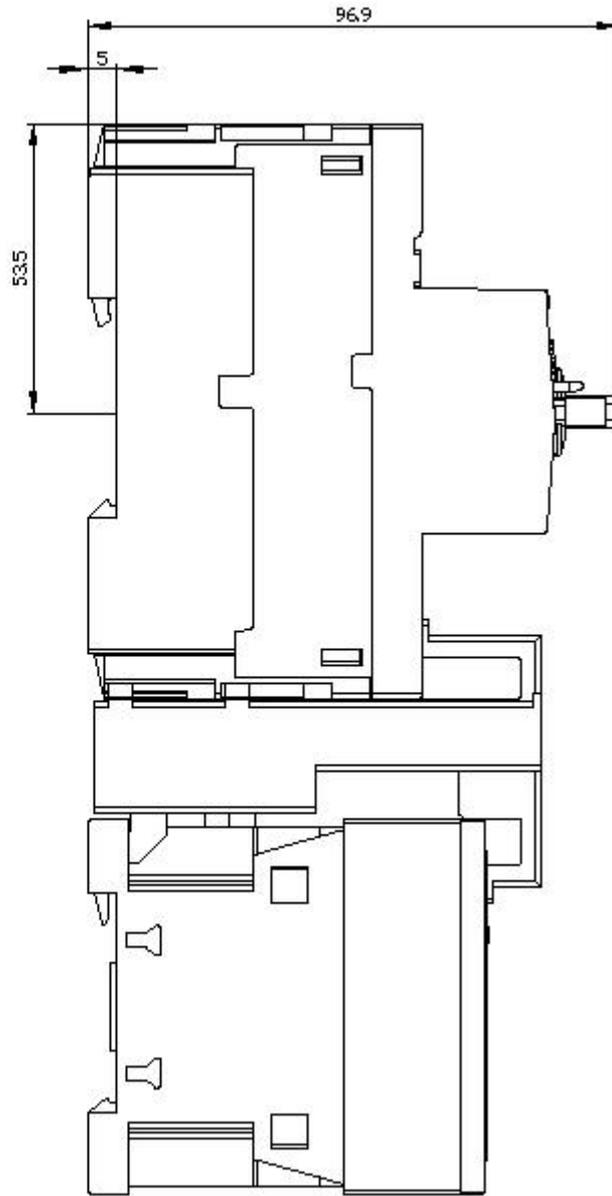
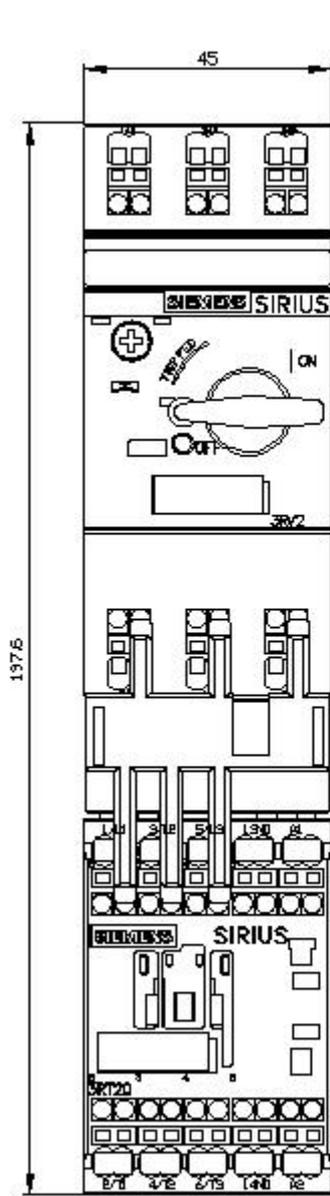
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2110-0HE15-1AP0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-0HE15-1AP0&lang=en)

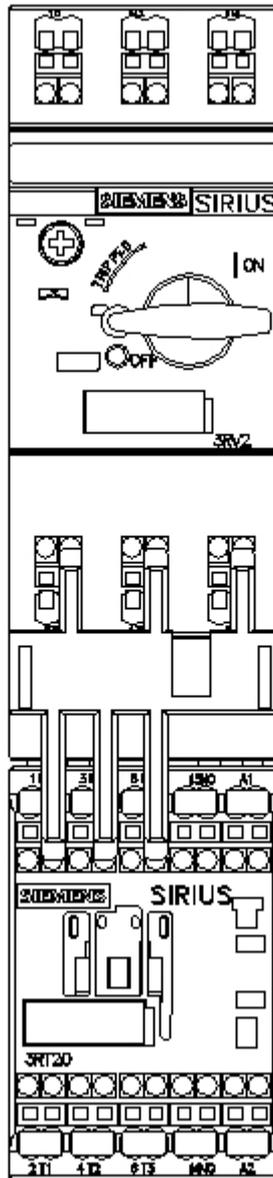
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

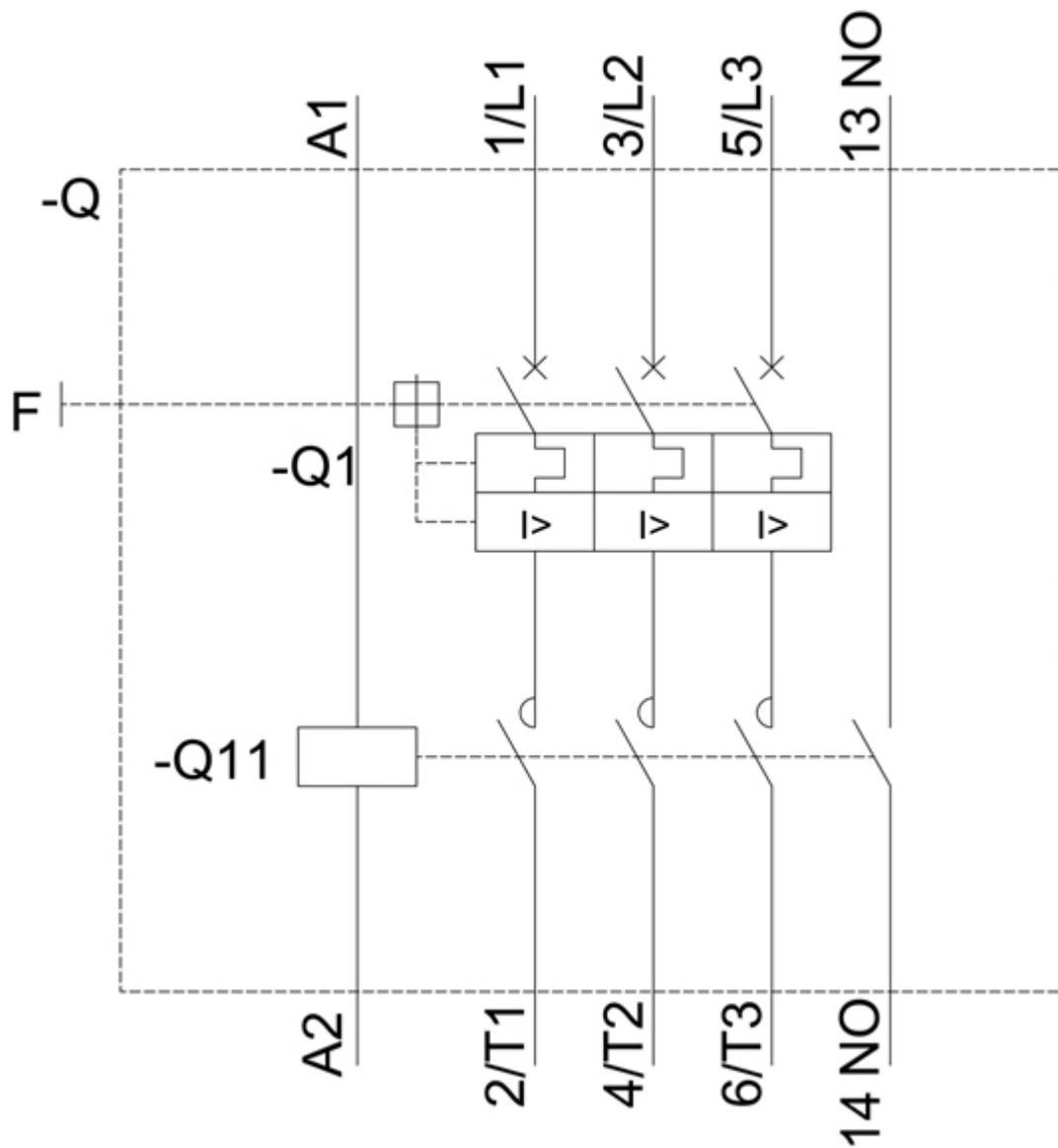
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0HE15-1AP0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0HE15-1AP0&objecttype=14&gridview=view1>







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