



FUSELESS LOAD FEEDER DIRECT START, AC 400V, SZ. S00 5.5 ... 8A, DC 24V SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 1, IQ = 150KA 1NO (CONTACTOR)

|                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
| product brand name                                                                  | SIRIUS                              |
| product designation                                                                 | Direct (on-line) starter            |
| design of the product                                                               | for standard rail or screw mounting |
| manufacturer's article number                                                       |                                     |
| • of the supplied contactor                                                         | <a href="#">3RT2016-1BB41</a>       |
| • of the supplied circuit-breakers                                                  | <a href="#">3RV2011-1HA10</a>       |
| • of the supplied link module                                                       | <a href="#">3RA1921-1DA00</a>       |
| <b>General technical data</b>                                                       |                                     |
| size of the circuit-breaker                                                         | S00                                 |
| size of load feeder                                                                 | S00                                 |
| product extension auxiliary switch                                                  | Yes                                 |
| insulation voltage with degree of pollution 3 at AC rated value                     | 690 V                               |
| surge voltage resistance rated value                                                | 6 kV                                |
| shock resistance according to IEC 60068-2-27                                        | 6g / 11 ms                          |
| mechanical service life (operating cycles) of contactor typical                     | 30 000 000                          |
| type of assignment                                                                  | 1                                   |
| Substance Prohibitance (Date)                                                       | 10/01/2009                          |
| Weight                                                                              | 0.63 kg                             |
| <b>Ambient conditions</b>                                                           |                                     |
| ambient temperature                                                                 |                                     |
| • during operation                                                                  | -20 ... +60 °C                      |
| • during storage                                                                    | -50 ... +80 °C                      |
| • during transport                                                                  | -50 ... +80 °C                      |
| <b>Main circuit</b>                                                                 |                                     |
| number of poles for main current circuit                                            | 3                                   |
| design of the switching contact                                                     | electromechanical                   |
| adjustable current response value current of the current-dependent overload release | 5.5 ... 8 A                         |
| operating voltage                                                                   |                                     |
| • rated value                                                                       | 690 V                               |
| • at AC-3 rated value maximum                                                       | 690 V                               |
| operating frequency rated value                                                     | 50 ... 60 Hz                        |
| operational current at AC-3 at 400 V rated value                                    | 6.5 A                               |
| operating power at AC-3                                                             |                                     |
| • at 400 V rated value                                                              | 3 000 W                             |
| <b>Control circuit/ Control</b>                                                     |                                     |
| control supply voltage at DC rated value                                            | 24 V                                |
| control supply voltage at DC rated value                                            | 24 ... 24 V                         |
| holding power of magnet coil at DC                                                  | 4 W                                 |
| <b>Protective and monitoring functions</b>                                          |                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| trip class                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CLASS 10                                                       |
| design of the overload release                                                                                                                                                                                                                                                                                                                                                                                                                                       | thermal (bimetallic)                                           |
| <b>UL/CSA ratings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                |
| full-load current (FLA) for 3-phase AC motor                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                |
| • at 480 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8 A                                                            |
| yielded mechanical performance [hp]                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |
| • for 3-phase AC motor                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                |
| — at 220/230 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 hp                                                           |
| — at 460/480 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5 hp                                                           |
| — at 575/600 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5 hp                                                           |
| <b>Short-circuit protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                |
| product function short circuit protection                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                                            |
| design of the short-circuit trip                                                                                                                                                                                                                                                                                                                                                                                                                                     | magnetic                                                       |
| conditional short-circuit current (I <sub>q</sub> )                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |
| • at 400 V according to IEC 60947-4-1 rated value                                                                                                                                                                                                                                                                                                                                                                                                                    | 150 000 A                                                      |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |
| mounting position                                                                                                                                                                                                                                                                                                                                                                                                                                                    | vertical                                                       |
| fastening method                                                                                                                                                                                                                                                                                                                                                                                                                                                     | screw and snap-on mounting onto 35 mm DIN rail                 |
| height                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 167 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                                                          |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |
| type of electrical connection for main current circuit                                                                                                                                                                                                                                                                                                                                                                                                               | screw-type terminals                                           |
| type of connectable conductor cross-sections for main contacts stranded                                                                                                                                                                                                                                                                                                                                                                                              | 0.5 ... 4 mm <sup>2</sup> , 2x (0.75 ... 2.5 mm <sup>2</sup> ) |
| connectable conductor cross-section for main contacts finely stranded with core end processing                                                                                                                                                                                                                                                                                                                                                                       | 0.5 ... 2.5 mm <sup>2</sup>                                    |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
| 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                                                      |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                |
| For use in hazardous locations                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |
| <a href="#">Confirmation</a>      |                                                                |
| <b>Test Certificates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |
| <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a>                          |                                                                |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                    | other                                                          |
| Railway                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Dangerous goods                                                |

[Confirmation](#)[Special Test Certificate](#)[Transport Information](#)

## Environment

[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=3RA2110-1HA16-1BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1HA16-1BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1HA16-1BB4>

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

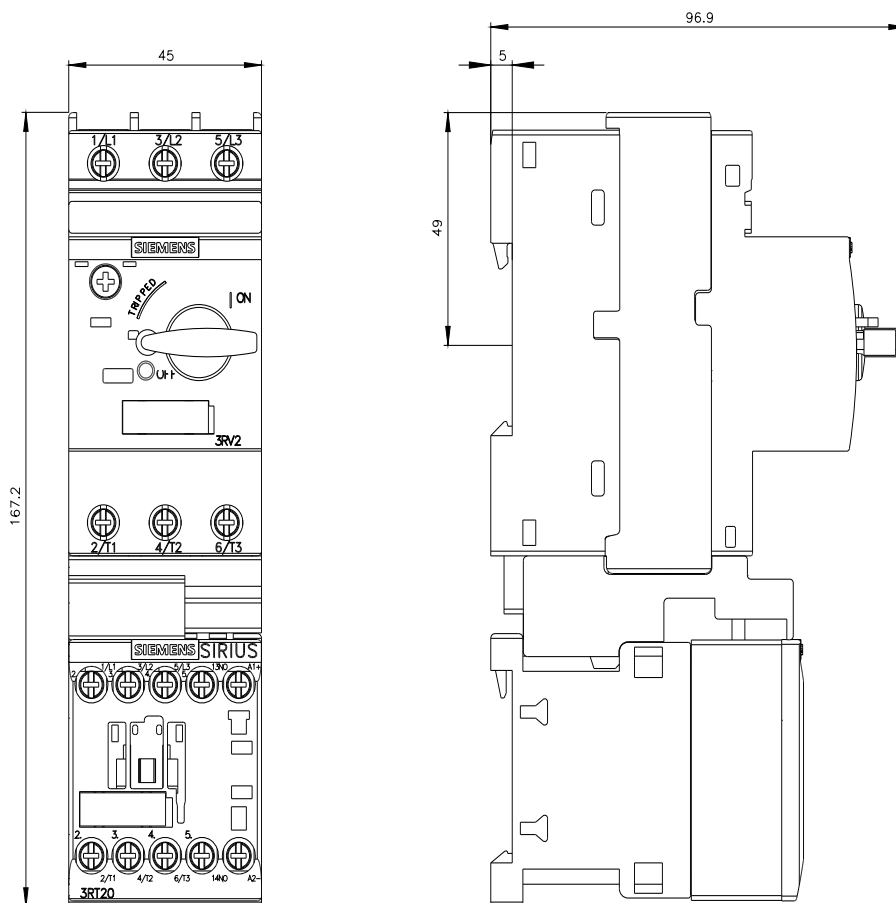
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2110-1HA16-1BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1HA16-1BB4&lang=en)

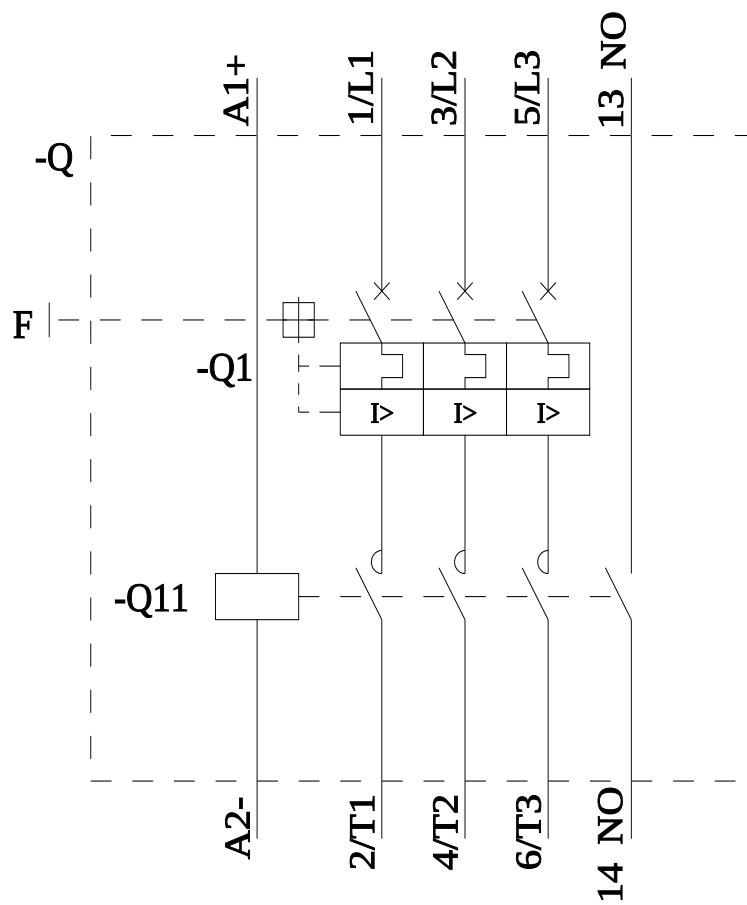
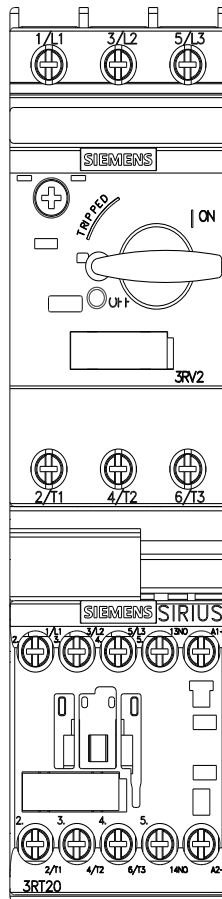
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1HA16-1BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1HA16-1BB4&objecttype=14&gridview=view1>





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