



Load feeder fuseless, Reversing duty 400 V AC, Size S00 0.45...0.63 A 230 V AC  
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 NC (contactor)

|   |                               |
|---|-------------------------------|
| product brand name  | SIRIUS                        |
| product designation   | Reversing starter             |
| design of the product   | for 60 mm busbars             |
| product type designation  | 3RA22                         |
| manufacturer's article number   |                               |
| • of the supplied contactor   | <a href="#">3RT2015-2AP02</a> |
| • of the supplied circuit-breakers  | <a href="#">3RV2011-0GA20</a> |
| • of the supplied RS assembly kit   | <a href="#">3RA2913-1DB2</a>  |
| • of the supplied link module   | <a href="#">3RA2911-2AA00</a> |
| <b>General technical data</b>   |                               |
| size of the circuit-breaker   | S00                           |
| size of load feeder   | S00                           |
| power loss [W] for rated value of the current                                       |                               |
| • at AC in hot operating state per pole   | 2 W                           |
| • without load current share typical  | 4.2 W                         |
| insulation voltage with degree of pollution 3 at AC rated value                     | 690 V                         |
| surge voltage resistance rated value  | 6 kV                          |
| degree of protection NEMA rating  | other                         |
| 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  | 2                             |
| reference code according to IEC 81346-2:2019  | Q                             |
| Substance Prohibitance (Date)   | 10/01/2009                    |
| SVHC substance name   | Lead - 7439-92-1              |
| Weight  | 1.747 kg                      |
| <b>Ambient conditions</b>   |                               |
| ambient temperature   |                               |
| • during operation  | -20 ... +60 °C                |
| • during storage  | -50 ... +80 °C                |
| • during transport  | -50 ... +80 °C                |
| temperature compensation  | -20 ... +60 °C                |
| relative humidity during operation  | 10 ... 95 %                   |
| <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 | 0.45 ... 0.63 A               |
| operating voltage   |                               |
| • 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                                   | 0.63 A                                 |
| • at AC-3e at 400 V rated value                                  | 0.63 A                                 |
| <b>operating power</b>   |  |
| • at AC-3  |  |
| — at 400 V rated value   | 180 W                                  |
| • at AC-3e   |  |
| — 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>                              |  |
| • at 50 Hz rated value   | 230 V                                  |
| • at 60 Hz rated value   | 230 V                                  |
| <b>apparent holding power of magnet coil at AC</b>               | 4.2 VA                                 |
| • at 50 Hz   | 4.2 VA                                 |
| • at 60 Hz   | 3.3 VA                                 |
| <b>inductive power factor with the holding power of the coil</b> | 0.25                                   |
| • at 50 Hz   | 0.25                                   |
| • at 60 Hz   | 0.25                                   |
| <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  | 8.2 A                                  |
| <b>UL/CSA ratings</b>  |  |
| <b>full-load current (FLA) for 3-phase AC motor</b>              |  |
| • at 480 V rated value   | 0.63 A                                 |
| • at 600 V rated value   | 0.63 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>         |  |
| • at 400 V according to IEC 60947-4-1 rated value                | 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>  | 260 mm                                 |
| <b>width</b>   | 90 mm                                  |
| <b>depth</b>   | 155 mm                                 |
| <b>required spacing</b>  |  |
| • for grounded parts   |  |
| — forwards   | 32 mm                                  |
| — backwards  | 0 mm                                   |
| — upwards  | 50 mm                                  |
| — at the side  | 10 mm                                  |
| — downwards  | 10 mm                                  |
| • for live parts   |  |
| — forwards   | 32 mm                                  |
| — backwards  | 0 mm                                   |
| — upwards  | 50 mm                                  |
| — downwards  | 10 mm                                  |
| — at the side  | 10 mm                                  |
| <b>Connections/ Terminals</b>                                    |  |
| <b>type of electrical connection</b>                             |  |
| • for main current circuit                                       | spring-loaded terminals                |
| • for auxiliary and control circuit                              | spring-loaded terminals                |
| <b>Safety related data</b>                                       |  |

|  |  |
|--|--|
| 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 hazardous locations                   |



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|                   |                   |
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|-------------------|-------------------|

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



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#### 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=3RA2210-0GH15-2AP0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0GH15-2AP0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0GH15-2AP0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2210-0GH15-2AP0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0GH15-2AP0&lang=en)

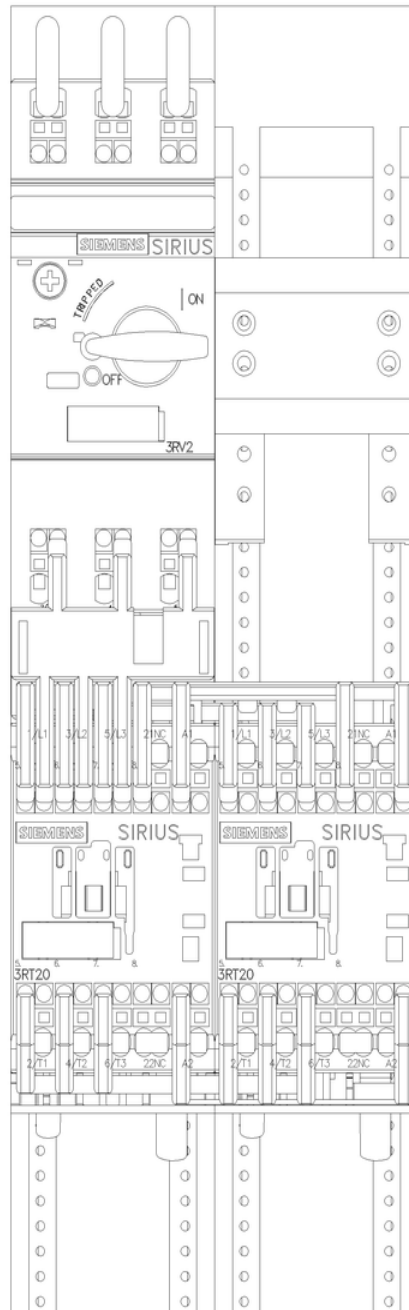
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

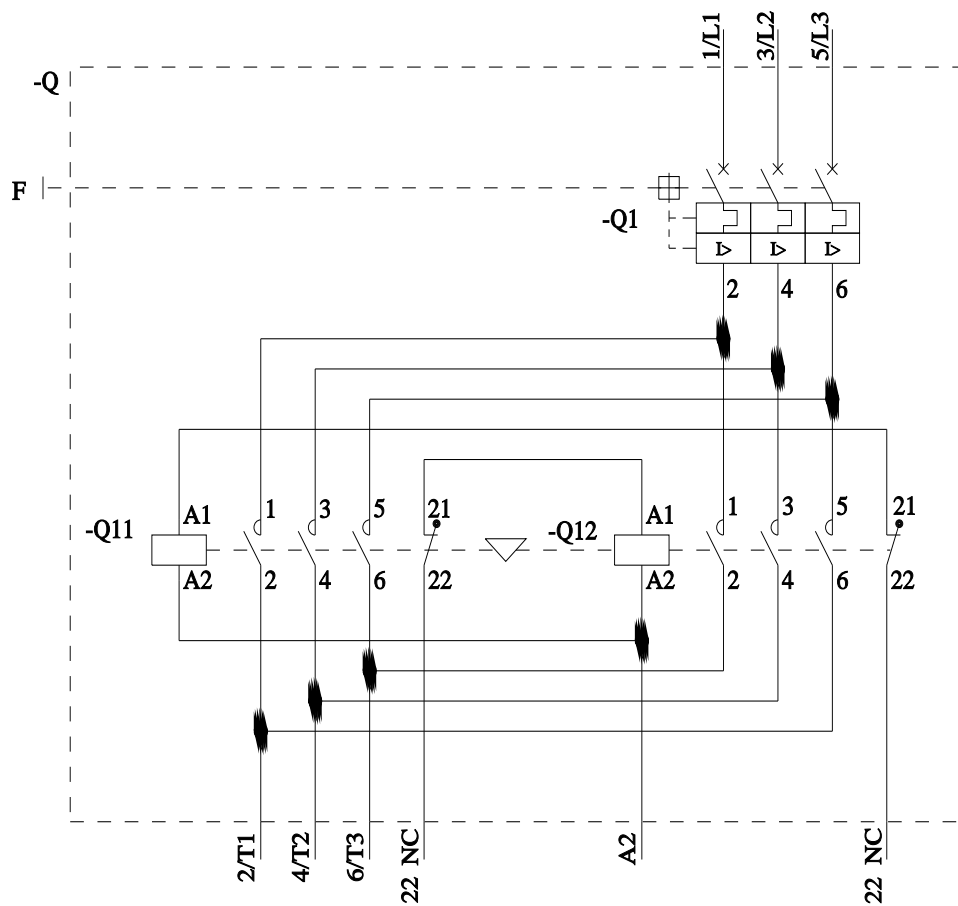
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0GH15-2AP0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0GH15-2AP0&objecttype=14&gridview=view1>







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