



LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S00 10...16A, DC 24V SCREW CONNECTION FOR BUSBAR SYSTEMS 60MM TYPE OF COORDINATION 1, IQ = 150KA 1NO (CONTACTOR)

|  |  |                               |
|--|--|-------------------------------|
| product brand name   |  | SIRIUS                        |
| Product designation  |  | non-fused load feeders 3RA2   |
| <b>Manufacturer article number</b>   |  |                               |
| <ul style="list-style-type: none"> <li>• of the supplied contactor</li> </ul>        |  | <a href="#">3RT2018-1BB41</a> |
| <ul style="list-style-type: none"> <li>• of the supplied circuit-breakers</li> </ul> |  | <a href="#">3RV2011-4AA10</a> |
| <ul style="list-style-type: none"> <li>• of the supplied busbar adapter</li> </ul>   |  | <a href="#">8US1251-5DS10</a> |
| <ul style="list-style-type: none"> <li>• of the supplied link module</li> </ul>      |  | <a href="#">3RA1921-1DA00</a> |

### General technical data:

|  |    |            |
|--|----|------------|
| <b>Insulation voltage</b>  |    |            |
| <ul style="list-style-type: none"> <li>• with degree of pollution 3 Rated value</li> </ul> | V  | 690        |
| <b>Shock resistance</b>  |    |            |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>                 |    | 6g / 11 ms |
| <b>Surge voltage resistance Rated value</b>  | kV | 6          |
| <b>Type of assignment</b>  |    | 1          |
| <b>Protection class IP</b>   |    |            |
| <ul style="list-style-type: none"> <li>• on the front</li> </ul>                           |    | IP20       |

### Main circuit:

|  |    |           |
|--|----|-----------|
| <b>Number of poles for main current circuit</b>                                    |    | 3         |
| <b>Adjustable response value current of the current-dependent overload release</b> | A  | 11 ... 16 |
| <b>Operating voltage</b>   |    |           |
| <ul style="list-style-type: none"> <li>• Rated value</li> </ul>                    | V  | 690       |
| <ul style="list-style-type: none"> <li>• at AC-3 Rated value maximum</li> </ul>    | V  | 690       |
| Operating frequency Rated value  | Hz | 50 ... 60 |
| <b>Operating current</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>   | A                                   | 15.5                                   |
| <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> <li>at 500 V Rated value</li> <li>at 690 V Rated value</li> </ul> </li> </ul>                             | W<br>W<br>W                         | 7 500<br>7 500<br>11 000               |
| <b>Control circuit/ Control:</b>  |                                     |  |
| <b>Control supply voltage for DC</b>  |                                     |  |
| <ul style="list-style-type: none"> <li>Rated value</li> </ul>   | V                                   | 24                                     |
| <b>Holding power of the magnet coil for DC</b>  | W                                   | 4                                      |
| <b>Auxiliary circuit:</b>   |                                     |  |
| <b>Product expansion Auxiliary switch</b>   |                                     | Yes                                    |
| <b>Protective and monitoring functions:</b>   |                                     |  |
| <b>Trip class</b>   |                                     | CLASS 10                               |
| <b>Design of the overload circuit breaker</b>   |                                     | thermal (bimetallic)                   |
| <b>UL/CSA ratings:</b>  |                                     |  |
| <b>Full-load current (FLA) for three-phase AC motor</b>   |                                     |  |
| <ul style="list-style-type: none"> <li>at 480 V Rated value</li> </ul>  | A                                   | 14                                     |
| <b>yielded mechanical performance [hp]</b>  |                                     |  |
| <ul style="list-style-type: none"> <li>for three-phase AC motor at 220/230 V Rated value</li> <li>for three-phase AC motor at 460/480 V Rated value</li> <li>for three-phase AC motor at 575/600 V Rated value</li> </ul> | metric hp<br>metric hp<br>metric hp | 5<br>10<br>10                          |
| <b>Short-circuit:</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 690 V acc. to IEC 60947-4-1 Rated value</li> <li>at 400 V acc. to IEC 60947-4-1 Rated value</li> <li>at 500 V acc. to IEC 60947-4-1 Rated value</li> </ul>                      | A<br>A<br>A                         | 4 000<br>153 000<br>5 000              |
| <b>Installation/ mounting/ dimensions:</b>  |                                     |  |
| <b>mounting position</b>  |                                     | vertical                               |
| <b>Mounting type</b>  |                                     | for snapping onto 60 mm busbar systems |
| <b>Height</b>   | mm                                  | 200                                    |
| <b>Width</b>  | mm                                  | 45                                     |
| <b>Depth</b>  | mm                                  | 155.1                                  |
| <b>Required spacing</b>   |                                     |  |

|                      |    |    |
|----------------------|----|----|
| • for grounded parts |    |    |
| — forwards           | mm | 0  |
| — Backwards          | mm | 0  |
| — upwards            | mm | 20 |
| — at the side        | mm | 9  |
| — downwards          | mm | 10 |
| • for live parts     |    |    |
| — forwards           | mm | 0  |
| — Backwards          | mm | 0  |
| — upwards            | mm | 20 |
| — downwards          | mm | 10 |
| — at the side        | mm | 9  |

#### Connections/ Terminals:

##### Type of electrical connection

|                            |                      |
|----------------------------|----------------------|
| • for main current circuit | screw-type terminals |
|----------------------------|----------------------|

#### Safety related data:

|   |   |             |
|---|---|-------------|
| <b>B10 value with high demand rate acc. to SN 31920</b> |   | 1 000 000   |
| <b>Proportion of dangerous failures</b>                 |   |             |
| • with high demand rate acc. to SN 31920                | % | 73          |
| <b>Protection against electrical shock</b>              |   | finger-safe |

#### Mechanical data:

|                                    |  |     |
|------------------------------------|--|-----|
| <b>Size of the circuit-breaker</b> |  | S00 |
| <b>Size of load feeder</b>         |  | S00 |

#### Ambient conditions:

##### Ambient temperature

|                    |    |             |
|--------------------|----|-------------|
| • during operation | °C | -20 ... +60 |
| • during storage   | °C | -50 ... +80 |
| • during transport | °C | -50 ... +80 |

#### Certificates/ approvals:

|                          |                                |                           |                   |
|--------------------------|--------------------------------|---------------------------|-------------------|
| General Product Approval | For use in hazardous locations | Declaration of Conformity | Test Certificates |
|--------------------------|--------------------------------|---------------------------|-------------------|



[Type Test Certificates/Test Report](#)

|                   |                   |
|-------------------|-------------------|
| Test Certificates | Shipping Approval |
|-------------------|-------------------|

[Declaration of the Compliance with the order](#)

[Special Test Certificate](#)



GL

|                   |       |
|-------------------|-------|
| Shipping Approval | other |
|-------------------|-------|



[Environmental Confirmations](#)

[Declaration of Conformity](#)

[other](#)

#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

##### Cax online generator

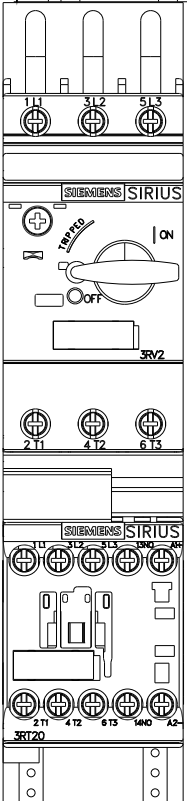
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RA21104AD181BB4>

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

<http://support.automation.siemens.com/WW/view/en/3RA21104AD181BB4/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RA21104AD181BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RA21104AD181BB4&lang=en)



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