



LOAD FEEDER FUSELESS REVERSING DUTY, AC 400V, SZ S00, 1.4...2A, DC 24V SCREW CONNECTION FOR RAIL-MOUNTING, TYPE OF COORDINATION 2, IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NC (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> <li>• of the supplied circuit-breakers</li> <li>• of the supplied link module</li> </ul>	<a href="#">3RT2015-1BB42</a> <a href="#">3RV2011-1BA10</a> <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>		2
<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	1.4 ... 2
<b>Operating voltage</b>		
<ul style="list-style-type: none"> <li>• Rated value</li> <li>• at AC-3 Rated value maximum</li> </ul>	V	690
	V	690
<b>Operating frequency Rated value</b>	Hz	50 ... 60
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• at AC-3</li> </ul>		

— at 400 V Rated value	A	1.9
<b>Operating power</b>		
• at AC-3		
— at 400 V Rated value	W	750
— at 500 V Rated value	W	750
— at 690 V Rated value	W	1 100

#### Control circuit/ Control:

<b>Control supply voltage for DC</b>		
• Rated value	V	24
<b>Holding power of the magnet coil for DC</b>	W	4

#### Auxiliary circuit:

<b>Product expansion Auxiliary switch</b>		Yes
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#### Protective and monitoring functions:

<b>Trip class</b>		CLASS 10
<b>Design of the overload circuit breaker</b>		thermal (bimetallic)

#### UL/CSA ratings:

<b>Full-load current (FLA) for three-phase AC motor</b>		
• at 480 V Rated value	A	2
<b>yielded mechanical performance [hp]</b>		
• for three-phase AC motor at 460/480 V Rated value	metric hp	0.75
• for three-phase AC motor at 575/600 V Rated value	metric hp	1

#### Short-circuit:

<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 690 V acc. to IEC 60947-4-1 Rated value	A	10 000
• at 400 V acc. to IEC 60947-4-1 Rated value	A	153 000
• at 500 V acc. to IEC 60947-4-1 Rated value	A	100 000

#### Installation/ mounting/ dimensions:

<b>mounting position</b>		vertical
<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail
<b>Height</b>	mm	170
<b>Width</b>	mm	90
<b>Depth</b>	mm	97.1
<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
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CSA



UL



ATEX



EG-Konf.

[Special Test Certificate](#)

Test Certificates	Shipping Approval
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[Declaration of the Compliance with the order](#)

[Type Test Certificates/Test Report](#)



ABS



BUREAU VERITAS



DNV



GL

Shipping Approval	other
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PRS



RINA

[Declaration of Conformity](#)

[Environmental Confirmations](#)

[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

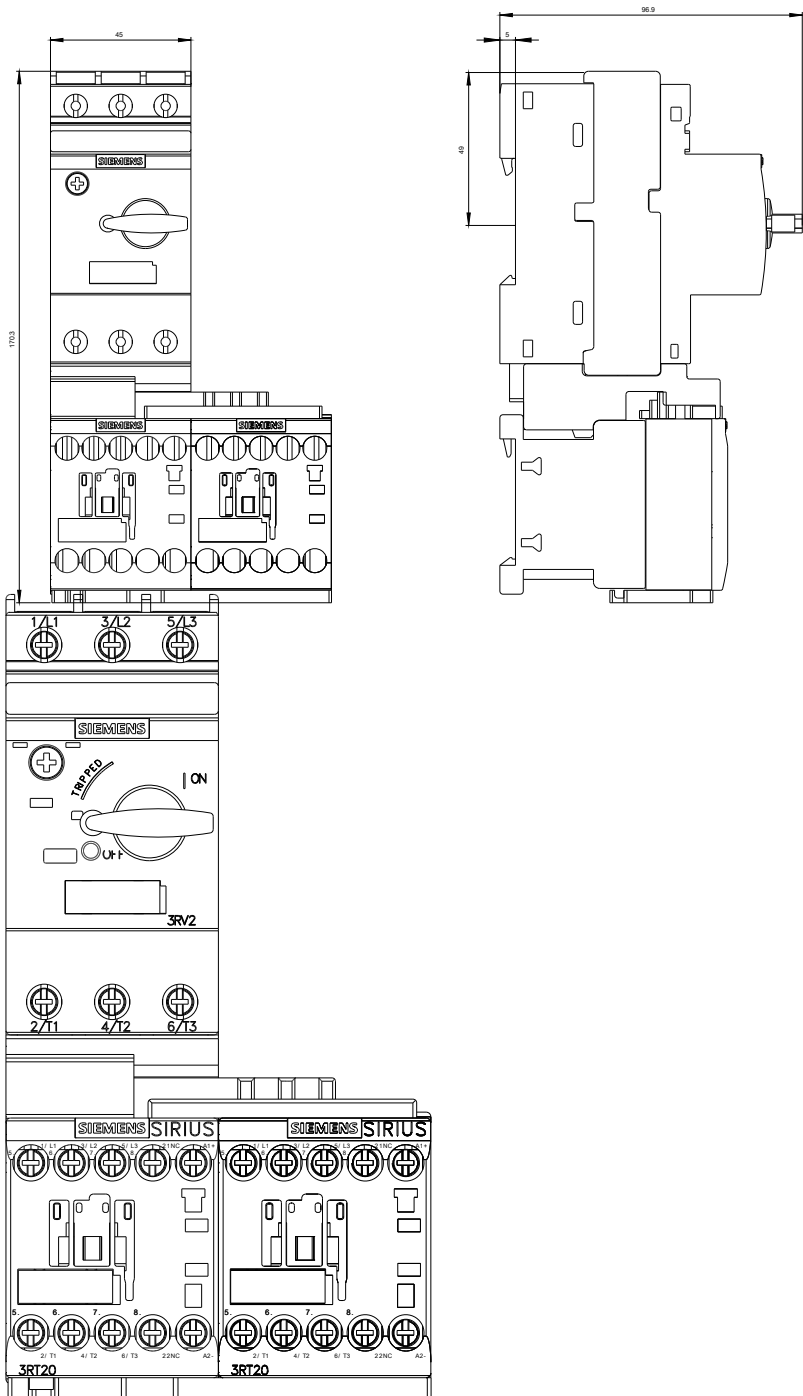
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RA22101BA152BB4>

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

<http://support.automation.siemens.com/WW/view/en/3RA22101BA152BB4/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=3RA22101BA152BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RA22101BA152BB4&lang=en)



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