



LOAD FEEDER FUSELESS DIRECT START, AC 400V, SZ S0, 5,5. . .8A, AC 230V SCREW CONNECTION FOR RAIL-MOUNTING, TYPE OF COORDINATION 2, IQ = 150KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NO+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="#">3RT2024-1AP00</a> <a href="#">3RV2021-1HA10</a> <a href="#">3RA2921-1AA00</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	5.5 ... 8
<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	6.5
<b>Operating power</b>		
• at AC-3		
— at 400 V Rated value	W	3 000
— at 500 V Rated value	W	4 000
— at 690 V Rated value	W	5 500

#### Control circuit/ Control:

<b>Control supply voltage with AC</b>		
• at 50 Hz Rated value	V	230
<b>Apparent holding power of the magnet coil with AC</b>	V·A	8.5

#### 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	8
<b>yielded mechanical performance [hp]</b>		
• for three-phase AC motor at 220/230 V Rated value	metric hp	2
• for three-phase AC motor at 460/480 V Rated value	metric hp	5
• for three-phase AC motor at 575/600 V Rated value	metric hp	5

#### 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	4 000
• 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	42 000

#### 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	193.1
<b>Width</b>	mm	45
<b>Depth</b>	mm	97.1
<b>Required spacing</b>		
• for grounded parts		

— forwards	mm	10
— Backwards	mm	0
— upwards	mm	30
— at the side	mm	9
— downwards	mm	10
• for live parts		
— forwards	mm	10
— Backwards	mm	0
— upwards	mm	30
— downwards	mm	10
— at the side	mm	9

#### Connections/ Terminals:

##### Type of electrical connection

- for main current circuit

screw-type terminals

#### Safety related data:

##### B10 value with high demand rate acc. to SN 31920

1 000 000

##### Proportion of dangerous failures

- with high demand rate acc. to SN 31920

% 73

##### Protection against electrical shock

finger-safe

#### Mechanical data:

##### Size of the circuit-breaker

S0

##### Size of load feeder

S0

#### Ambient conditions:

##### Ambient temperature

- during operation
- during storage
- during transport

°C -20 ... +60

°C -50 ... +80

°C -50 ... +80

#### Certificates/ approvals:

General Product Approval	For use in hazardous locations	Declaration of Conformity	Test Certificates
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[Declaration of the Compliance with the order](#)

Test Certificates	Shipping Approval
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[Type Test Certificates/Test Report](#)



Shipping Approval	other
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[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

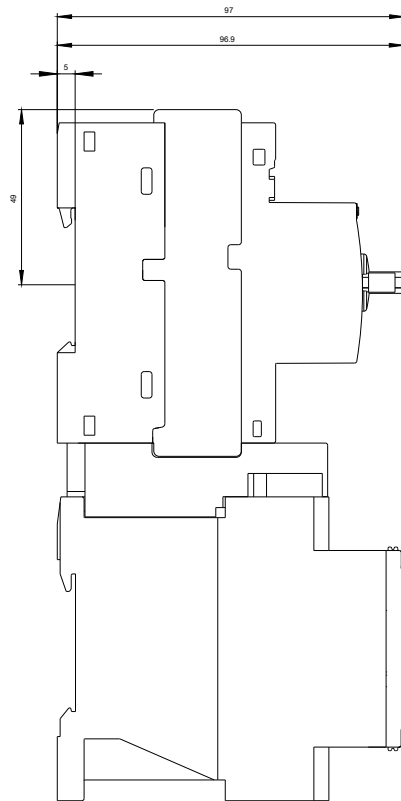
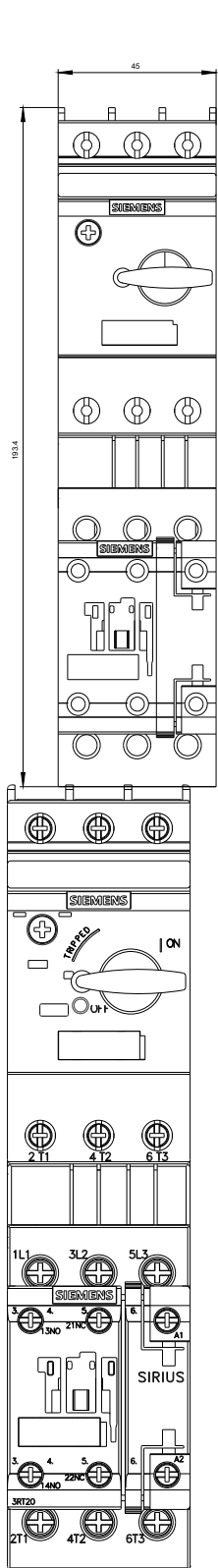
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RA21201HA240AP0>

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

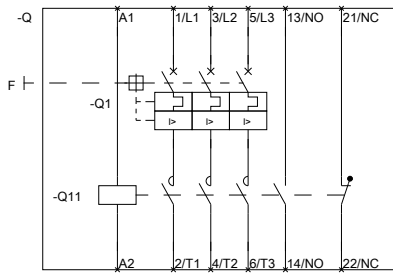
<http://support.automation.siemens.com/WW/view/en/3RA21201HA240AP0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RA21201HA240AP0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RA21201HA240AP0&lang=en)



DREI-PHASIGER ABZWEIG, SICHERUNGSL.



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