



Fuseless motor starter Direct start 600VAC Size S00 4.5-6.3A 220/240VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 1 1NO (contactor)

<b>product brand name</b>	SIRIUS
<b>product designation</b>	non-fused motor starter 3RA2
<b>design of the product</b>	direct starter
<b>manufacturer's 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="#">3RT2015-1AP61</a> <a href="#">3RV2011-1GA10</a> <a href="#">3RA1921-1DA00</a>
<b>General technical data</b>	
<b>size of the circuit-breaker</b>	S00
<b>size of load feeder</b>	S00
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	6 kV
<b>shock resistance according to IEC 60068-2-27</b>	6 g / 11 ms
mechanical service life (operating cycles) of contactor typical	30 000 000
<b>type of coordination</b>	1
<b>Net Weight</b>	0.58 kg
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-20 ... +60 °C -50 ... +80 °C -55 ... +80 °C
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>design of the switching contact</b>	electromechanical
<b>adjustable current response value current of the current-dependent overload release</b>	4.5 ... 6.3 A
<b>operating voltage</b>	
<ul style="list-style-type: none"> <li>• rated value</li> <li>• at AC-3 rated value maximum</li> </ul>	690 V 690 V
<b>operating frequency rated value</b>	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	4.9 A
operating power at AC-3	
<ul style="list-style-type: none"> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> </ul>	2 200 W 3 000 W
<b>Control circuit/ Control</b>	
<b>control supply voltage at AC</b>	
<ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> </ul>	220 V

<ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> </ul>	187 ... 242 V
<ul style="list-style-type: none"> <li>• at 60 Hz rated value</li> </ul>	240 V
<ul style="list-style-type: none"> <li>• at 60 Hz rated value</li> </ul>	192 ... 264 V
<b>apparent holding power of magnet coil at AC</b>	4.8 VA
<b>inductive power factor with the holding power of the coil</b>	0.25
<b>Auxiliary circuit</b>	
<b>number of NO contacts for auxiliary contacts</b>	1
<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	81.9 A
<b>UL/CSA ratings</b>	
<b>full-load current (FLA) for 3-phase AC motor</b>	
<ul style="list-style-type: none"> <li>• at 480 V rated value</li> </ul>	4.8 A
<ul style="list-style-type: none"> <li>• at 600 V rated value</li> </ul>	6.1 A
<b>yielded mechanical performance [hp]</b>	
<ul style="list-style-type: none"> <li>• for single-phase AC motor <ul style="list-style-type: none"> <li>— at 110/120 V rated value</li> </ul> </li> </ul>	0.25 hp
<ul style="list-style-type: none"> <li>— at 230 V rated value</li> </ul>	0.5 hp
<ul style="list-style-type: none"> <li>• for 3-phase AC motor <ul style="list-style-type: none"> <li>— at 200/208 V rated value</li> </ul> </li> </ul>	1 hp
<ul style="list-style-type: none"> <li>— at 220/230 V rated value</li> </ul>	1.5 hp
<ul style="list-style-type: none"> <li>— at 460/480 V rated value</li> </ul>	3 hp
<ul style="list-style-type: none"> <li>— at 575/600 V rated value</li> </ul>	5 hp
<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>	
<ul style="list-style-type: none"> <li>• at 400 V according to IEC 60947-4-1 rated value</li> </ul>	153 000 A
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	vertical
<b>fastening method</b>	Snap-mounted to DIN rail or screw-mounted with additional push-in lug
<b>height</b>	167.1 mm
<b>width</b>	45 mm
<b>depth</b>	97 mm
<b>required spacing</b>	
<ul style="list-style-type: none"> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards</li> </ul> </li> </ul>	0 mm
<ul style="list-style-type: none"> <li>— backwards</li> </ul>	0 mm
<ul style="list-style-type: none"> <li>— upwards</li> </ul>	20 mm
<ul style="list-style-type: none"> <li>— at the side</li> </ul>	9 mm
<ul style="list-style-type: none"> <li>— downwards</li> </ul>	10 mm
<ul style="list-style-type: none"> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards</li> </ul> </li> </ul>	0 mm
<ul style="list-style-type: none"> <li>— backwards</li> </ul>	0 mm
<ul style="list-style-type: none"> <li>— upwards</li> </ul>	20 mm
<ul style="list-style-type: none"> <li>— downwards</li> </ul>	10 mm
<ul style="list-style-type: none"> <li>— at the side</li> </ul>	9 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 %
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000
Electrical Safety	

protection class IP on the front according to IEC 60529 IP20

touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front

Approvals Certificates

Environment General Product Approval For use in hazardous locations

[Environmental Confirmations](#)



Test Certificates Maritime application

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Maritime application other



[Confirmation](#)

[Confirmation](#)



Railway

[Special Test Certificate](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RA2110-1GA15-1AP6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1GA15-1AP6>

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

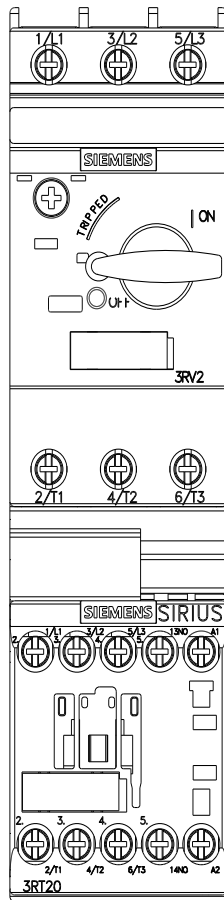
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Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1GA15-1AP6>

Characteristic curves

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