














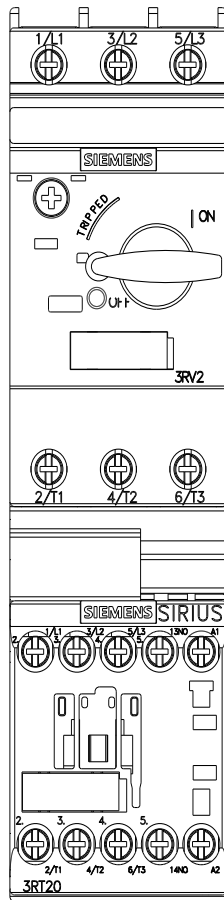


FUSELESS LOAD FEEDER DIRECT START, AC 400V, SZ. S00 9...12.5A, AC 110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 1,IQ = 150KA 1NO (CONTACTOR)

<b>product brand name</b>	SIRIUS
<b>product designation</b>	non-fused load feeders 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="#">3RT2017-1AK61</a> <a href="#">3RV2011-1KA10</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>Substance Prohibitance (day/month/year)</b>	10/01/2009
<b>SVHC substance name</b>	Lead CAS-No. 7439-92-1
<b>Net Weight</b>	6.415 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 -50 ... +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>	9 ... 12.5 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	11.5 A
<b>operating power at AC-3</b>	
<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>	5 500 W 7 500 W 7 500 W

Control circuit/ Control	
<b>control supply voltage at AC</b>	
• at 50 Hz rated value	110 V
• at 60 Hz rated value	120 V
<b>apparent holding power of magnet coil at AC</b>	5.7 VA
Protective and monitoring functions	
<b>trip class</b>	CLASS 10
<b>design of the overload release</b>	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	162.5 A
UL/CSA ratings	
<b>full-load current (FLA) for 3-phase AC motor</b>	
• at 480 V rated value	11 A
• at 600 V rated value	11 A
<b>yielded mechanical performance [hp]</b>	
• for single-phase AC motor	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	2 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	7.5 hp
— at 575/600 V rated value	10 hp
Short-circuit protection	
<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 according to IEC 60947-4-1 rated value	4 000 A
• at 400 V according to IEC 60947-4-1 rated value	153 000 A
• at 500 V according to IEC 60947-4-1 rated value	42 000 A
Installation/ mounting/ dimensions	
<b>mounting position</b>	vertical
<b>fastening method</b>	screw and snap-on mounting onto 35 mm DIN rail
<b>height</b>	167.1 mm
<b>width</b>	45 mm
<b>depth</b>	97 mm
<b>required spacing</b>	
• for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— at the side	9 mm
— downwards	10 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— downwards	10 mm
— at the side	9 mm
Connections/ Terminals	
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>
Safety related data	
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				
<b>Approvals Certificates</b>					
Environment	General Product Approval	For use in hazardous locations			
<a href="#">Environmental Confirmations</a>	 UL	 EAC	 EG-Konf.	 UKCA	 ATEX
<b>Test Certificates</b>		Maritime application			
<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Special Test Certificate</a>	 ABS	 BUREAU VERITAS	 DNV	 LRS
Maritime application		other			
 PRS	 RINA	 RMRS	<a href="#">Confirmation</a>	<a href="#">Confirmation</a>	 产品合格 QC PASS
<b>Railway</b>					
<a href="#">Special Test Certificate</a>					
<b>Further information</b>					
<p>Information on the packaging  <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p>Information for data generation and storage  <a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a></p> <p>Information- and Downloadcenter (Catalogs, Brochures,...)  <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p>Industry Mall (Online ordering system)  <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2110-1KA17-1AK6">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2110-1KA17-1AK6</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)  <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1KA17-1AK6">https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1KA17-1AK6</a></p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  <a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1KA17-1AK6&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1KA17-1AK6&amp;lang=en</a></p> <p>Cax online generator  <a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RA2110-1KA17-1AK6">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RA2110-1KA17-1AK6</a></p> <p>Characteristic curves  <a haupt"&gt;&lt;="" href="https://curves.simaris.siemens.com/curves/&lt;mmp_prod_noCOMP=" mmp_prod_no&gt;"="">https://curves.simaris.siemens.com/curves/&lt;mmp_prod_noCOMP="HAUPT"&gt;&lt;/mmp_prod_no&gt;</a></p>					





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