








FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S0 4.5...6.3A, AC 110/120V 50/60HZ SCREW TERMINAL FOR BUSBAR SYSTEMS 60MM TYPE OF ASSIGNMENT 2,IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NO+1NC (CONTACTOR)

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Reversing starter
<b>design of the product</b>	for 60 mm busbars
<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="#">3RT2024-1AK60</a> <a href="#">3RV2011-1GA10</a> <a href="#">3RA2921-1AA00</a>
<b>General technical data</b>	
<b>size of the circuit-breaker</b>	S00
<b>size of load feeder</b>	S0
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>surge voltage resistance rated value</b>	6 kV
<b>shock resistance according to IEC 60068-2-27</b>	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
<b>type of assignment</b>	2
<b>Substance Prohibitance (Date)</b>	10/01/2009
<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>	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
<b>operational current</b>	
<ul style="list-style-type: none"> <li>• at AC-3 at 400 V rated value</li> </ul>	4.9 A
<b>operating power</b>	
<ul style="list-style-type: none"> <li>• at AC-3</li> <li>— at 400 V rated value</li> </ul>	2 200 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> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>	110 V 88 ... 121 V 120 V

• at 60 Hz rated value	96 ... 132 V				
<b>apparent holding power of magnet coil at AC</b>	8.5 VA				
<b>Auxiliary circuit</b>					
<b>product extension auxiliary switch</b>	Yes				
<b>Protective and monitoring functions</b>					
<b>trip class</b>	CLASS 10				
<b>design of the overload release</b>	thermal (bimetallic)				
<b>UL/CSA ratings</b>					
<b>full-load current (FLA) for 3-phase AC motor</b>					
• at 480 V rated value	4.8 A				
<b>yielded mechanical performance [hp]</b>					
• for 3-phase AC motor					
— at 200/208 V rated value	1 hp				
— at 220/230 V rated value	1.5 hp				
— at 460/480 V rated value	3 hp				
— at 575/600 V rated value	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>					
• at 400 V according to IEC 60947-4-1 rated value	150 000 A				
<b>Installation/ mounting/ dimensions</b>					
<b>mounting position</b>	vertical				
<b>fastening method</b>	for snapping onto 60 mm busbar systems				
<b>height</b>	260 mm				
<b>width</b>	90 mm				
<b>depth</b>	155 mm				
<b>required spacing</b>					
• for grounded parts					
— forwards	32 mm				
— backwards	0 mm				
— upwards	50 mm				
— at the side	10 mm				
— downwards	10 mm				
• for live parts					
— forwards	32 mm				
— backwards	0 mm				
— upwards	50 mm				
— downwards	10 mm				
— at the side	10 mm				
<b>Connections/ Terminals</b>					
<b>type of electrical connection</b>					
• for main current circuit	screw-type terminals				
<b>Safety related data</b>					
B10 value with high demand rate according to SN 31920	1 000 000				
<b>proportion of dangerous failures</b>					
• with high demand rate according to SN 31920	73 %				
<b>Certificates/ approvals</b>					
General Product Approval	For use in hazardous locations	Declaration of Conformity			
<a href="#">Confirmation</a>					
Test Certificates	Marine / Shipping				



Marine / Shipping      other      Railway



[Confirmation](#)

[Vibration and Shock](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3RA2220-1GD24-0AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-1GD24-0AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1GD24-0AK6>

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

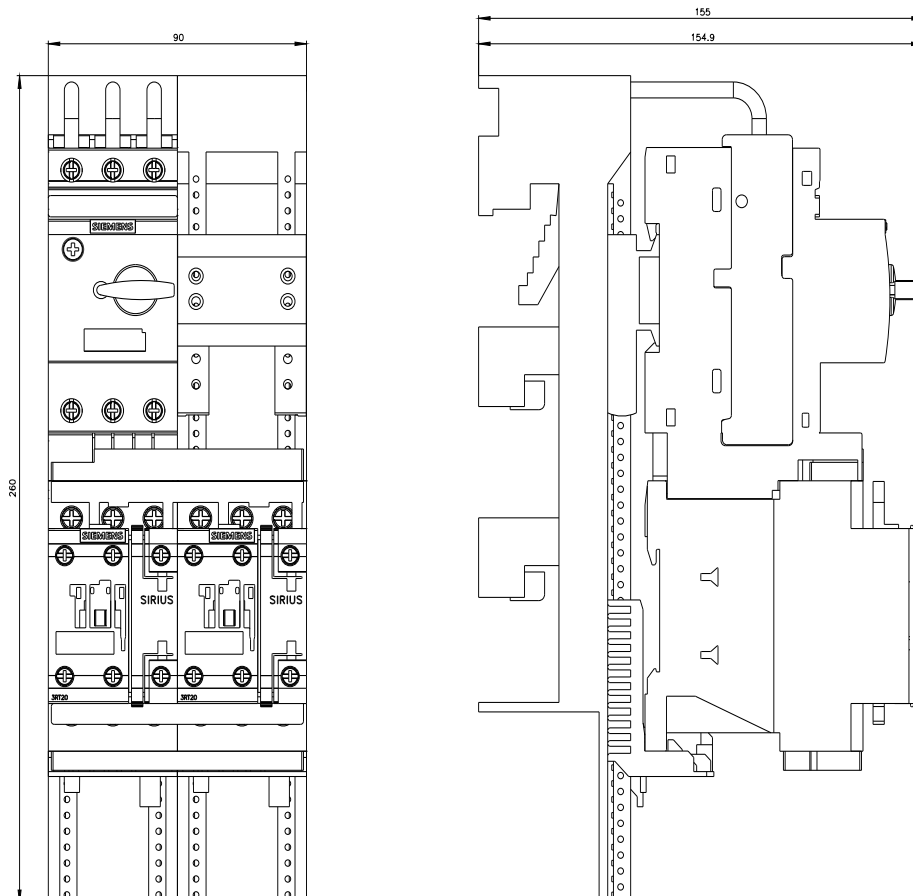
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2220-1GD24-0AK6&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-1GD24-0AK6&lang=en)

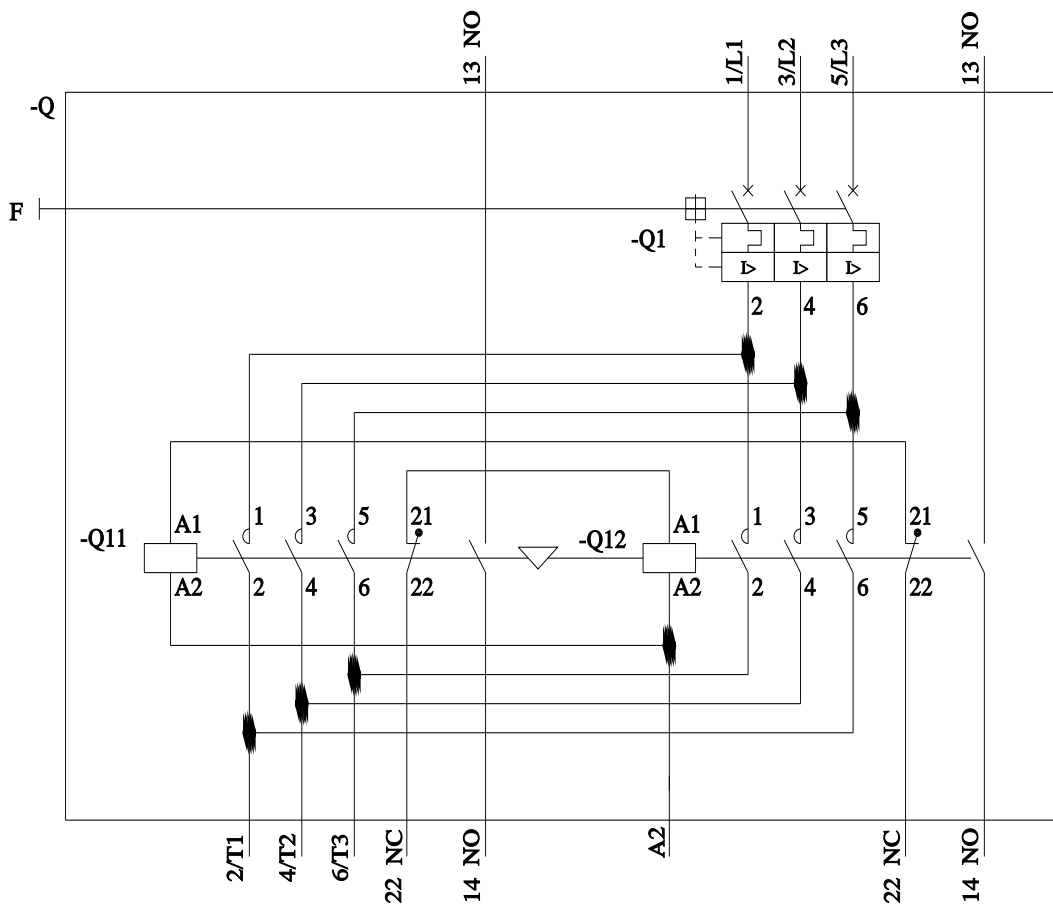
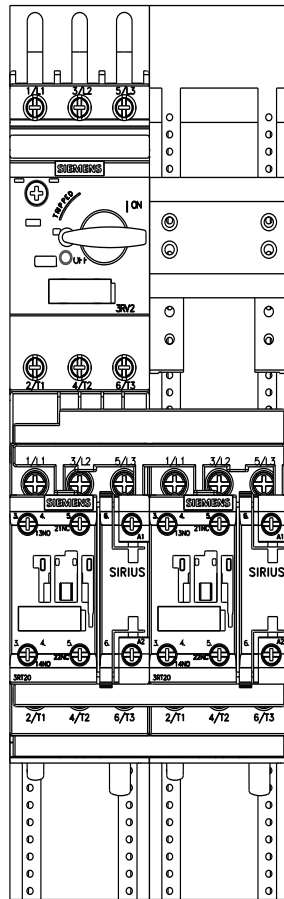
Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1GD24-0AK6/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-1GD24-0AK6&objectype=14&gridview=view1>





last modified:

1/28/2023