



FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S0 3.5 ... 5A, AC 110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, W. MOUNTING RAIL ADAPTER TYPE OF ASSIGNMENT 2, IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NO+1NC (CONTACTOR)

product brand name	SIRIUS
product designation	Reversing starter
design of the product	for standard rail or screw mounting
manufacturer's article number	
• of the supplied contactor	<a href="#">3RT2024-1AK60</a>
• of the supplied circuit-breakers	<a href="#">3RV2011-1FA10</a>
• of the supplied RH assembly kit	<a href="#">3RA2923-1BB1</a>
• of the supplied link module	<a href="#">3RA2921-1AA00</a>
<b>General technical data</b>	
size of the circuit-breaker	S00
size of load feeder	S0
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
type of assignment	2
Substance Prohibitance (Date)	10/01/2009
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
<b>Main circuit</b>	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	3.5 ... 5 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current	
• at AC-3 at 400 V rated value	3.6 A
operating power	
• at AC-3	
— at 400 V rated value	1 500 W
<b>Control circuit/ Control</b>	
control supply voltage at AC	
• at 50 Hz rated value	110 V
• at 50 Hz rated value	88 ... 121 V

<ul style="list-style-type: none"><li>• at 60 Hz rated value</li></ul>	120 V	
<ul style="list-style-type: none"><li>• at 60 Hz rated value</li></ul>	96 ... 132 V	
apparent holding power of magnet coil at AC	8.5 VA	
Auxiliary circuit		
product extension auxiliary switch	Yes	
Protective and monitoring functions		
trip class	CLASS 10	
design of the overload release	thermal (bimetallic)	
UL/CSA ratings		
full-load current (FLA) for 3-phase AC motor		
<ul style="list-style-type: none"><li>• at 480 V rated value</li></ul>	4.8 A	
yielded mechanical performance [hp]		
<ul style="list-style-type: none"><li>• for 3-phase AC motor</li></ul>		
<ul style="list-style-type: none"><li><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><ul style="list-style-type: none"><li>— at 220/230 V rated value</li></ul></li></ul>	1 hp	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— at 460/480 V rated value</li></ul></li></ul>	3 hp	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— at 575/600 V rated value</li></ul></li></ul>	3 hp	
Short-circuit protection		
product function short circuit protection	Yes	
design of the short-circuit trip	magnetic	
conditional short-circuit current (Iq)		
<ul style="list-style-type: none"><li>• at 400 V according to IEC 60947-4-1 rated value</li></ul>	150 000 A	
Installation/ mounting/ dimensions		
mounting position	vertical	
fastening method	On adapter for screw and snap-on mounting on 35 mm DIN rail	
height	265 mm	
width	90 mm	
depth	120 mm	
required spacing		
<ul style="list-style-type: none"><li>• for grounded parts</li></ul>		
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— forwards</li></ul></li></ul>	32 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— backwards</li></ul></li></ul>	0 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— upwards</li></ul></li></ul>	50 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— at the side</li></ul></li></ul>	10 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— downwards</li></ul></li></ul>	10 mm	
<ul style="list-style-type: none"><li>• for live parts</li></ul>		
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— forwards</li></ul></li></ul>	32 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— backwards</li></ul></li></ul>	0 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— upwards</li></ul></li></ul>	50 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— downwards</li></ul></li></ul>	10 mm	
<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>— at the side</li></ul></li></ul>	10 mm	
Connections/ Terminals		
type of electrical connection		
<ul style="list-style-type: none"><li>• for main current circuit</li></ul>	screw-type terminals	
Safety related data		
B10 value with high demand rate according to SN 31920	1 000 000	
proportion of dangerous failures		
<ul style="list-style-type: none"><li>• with high demand rate according to SN 31920</li></ul>	73 %	
Certificates/ approvals		
General Product Approval	For use in hazard- ous locations	Declaration of Conformity

[Confirmation](#)



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=3RA2220-1FB24-0AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-1FB24-0AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1FB24-0AK6>

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

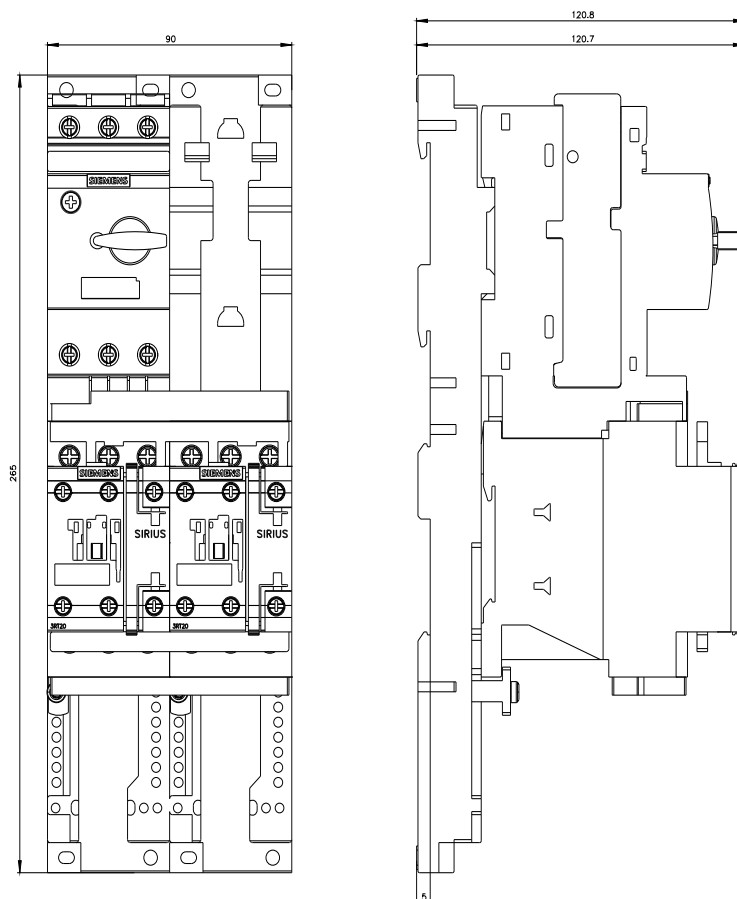
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2220-1FB24-0AK6&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-1FB24-0AK6&lang=en)

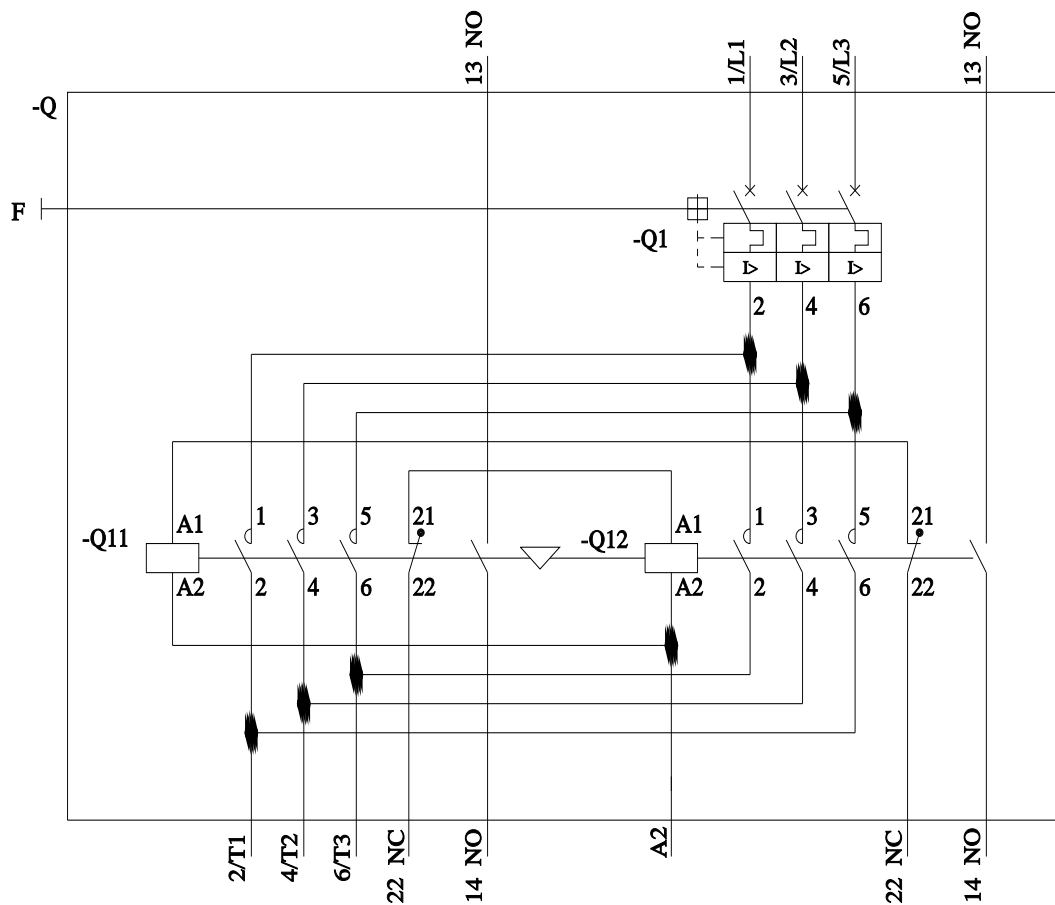
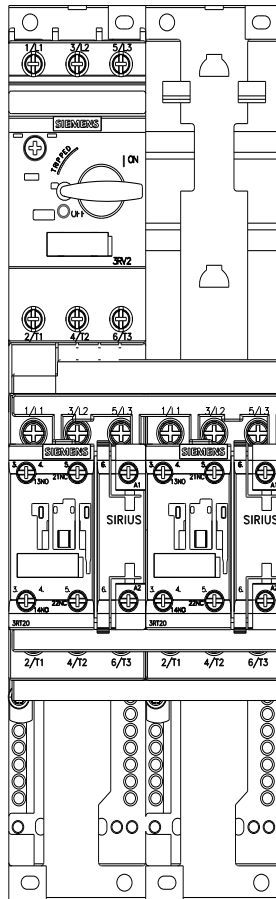
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1FB24-0AK6/char>


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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-1FB24-0AK6&objecttype=14&gridview=view1>





last modified:

11/21/2022 

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[3RA22201FB240AK6](#)