



FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S00 5.5 ... 8A, 4KW, DC 24V SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 1, IQ = 150KA 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	3RT2016-1BB42
• of the supplied circuit-breakers	3RV2011-1HA10
• of the supplied link module	3RA1921-1DA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
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	30 000 000
type of assignment	1
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
Main circuit	
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	5.5 ... 8 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	6.5 A
operating power	
• at AC-3	
— at 400 V rated value	3 000 W
Control circuit/ Control	
control supply voltage at DC	
• rated value	24 V
• rated value	24 ... 24 V
holding power of magnet coil at DC	4 W

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		8 A	
• at 480 V rated value			
yielded mechanical performance [hp]		2 hp 5 hp 5 hp	
• for 3-phase AC motor			
— at 220/230 V rated value			
— at 460/480 V rated value			
— at 575/600 V rated value		5 hp	
Short-circuit protection			
product function short circuit protection		Yes	
design of the short-circuit trip		magnetic	
conditional short-circuit current (Iq)		150 000 A	
• at 400 V according to IEC 60947-4-1 rated value			
Installation/ mounting/ dimensions			
mounting position		vertical	
fastening method		screw and snap-on mounting onto 35 mm DIN rail	
height		170 mm	
width		90 mm	
depth		97 mm	
required spacing		32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm 10 mm 10 mm	
• for grounded parts			
— forwards			
— backwards			
— upwards			
— at the side			
— downwards			
• for live parts			
— forwards			
— backwards			
— upwards			
— downwards			
— at the side			
Connections/ Terminals			
type of electrical connection		screw-type terminals	
• for main current circuit			
Safety related data			
B10 value with high demand rate according to SN 31920		1 000 000	
proportion of dangerous failures		73 %	
• with high demand rate according to SN 31920			
Certificates/ approvals			
General Product Approval		For use in hazard- ous locations	Declaration of Conformity

[Confirmation](#)



Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Railway	Dangerous Good
 RINA	 RMRS	 DNV-GL	Confirmation Vibration and Shock Transport Information

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=3RA2210-1HA16-2BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1HA16-2BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1HA16-2BB4>

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

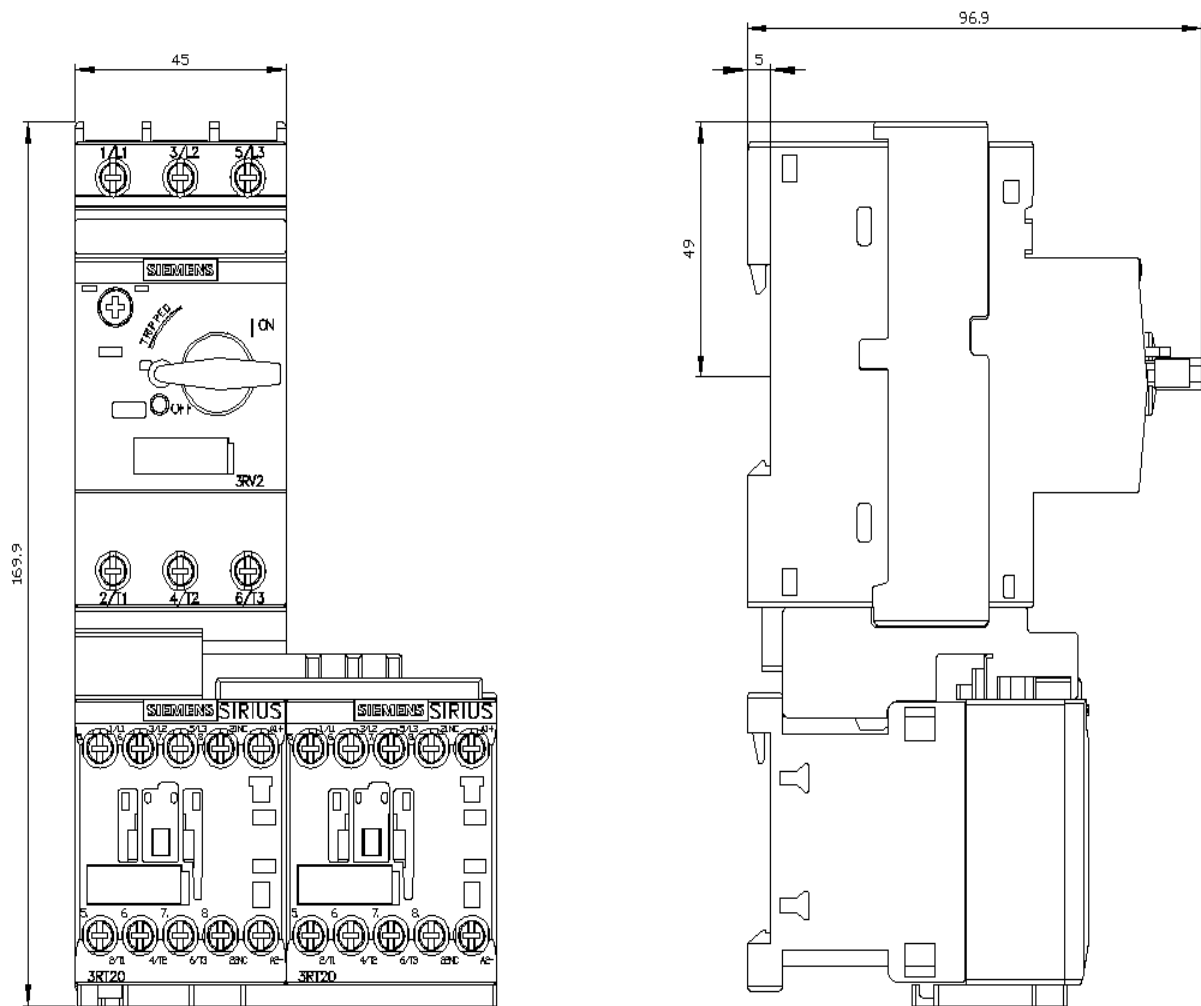
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-1HA16-2BB4&lang=en

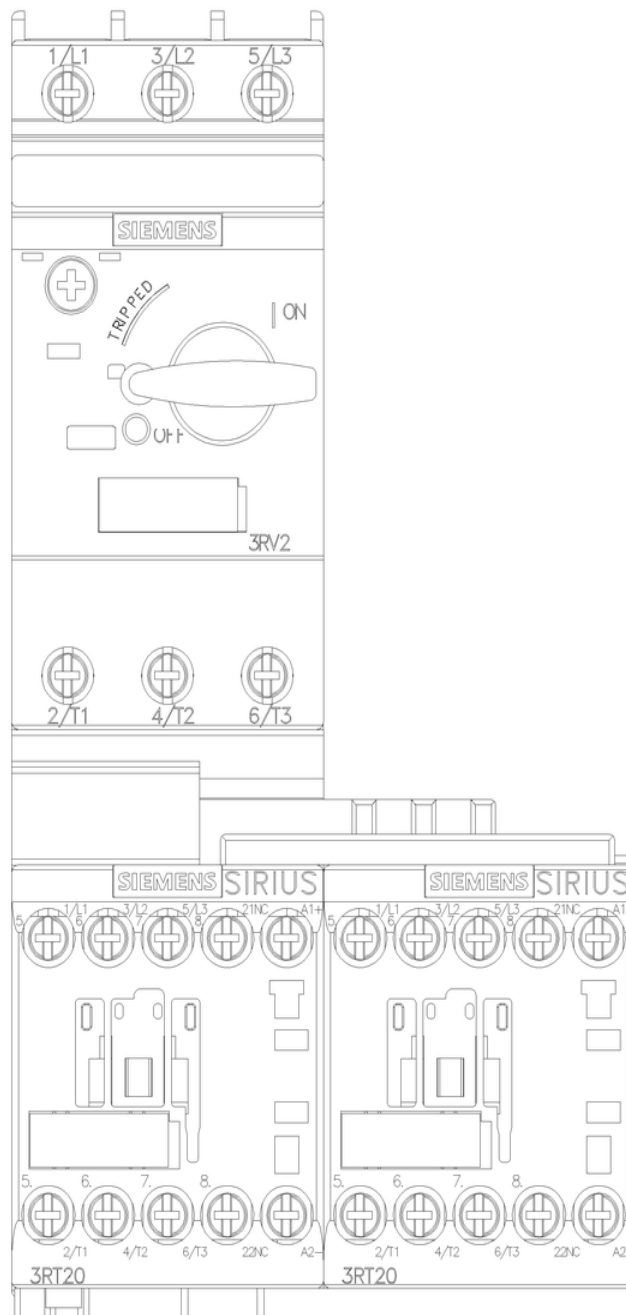
Characteristic: Tripping characteristics, I²t, Let-through current

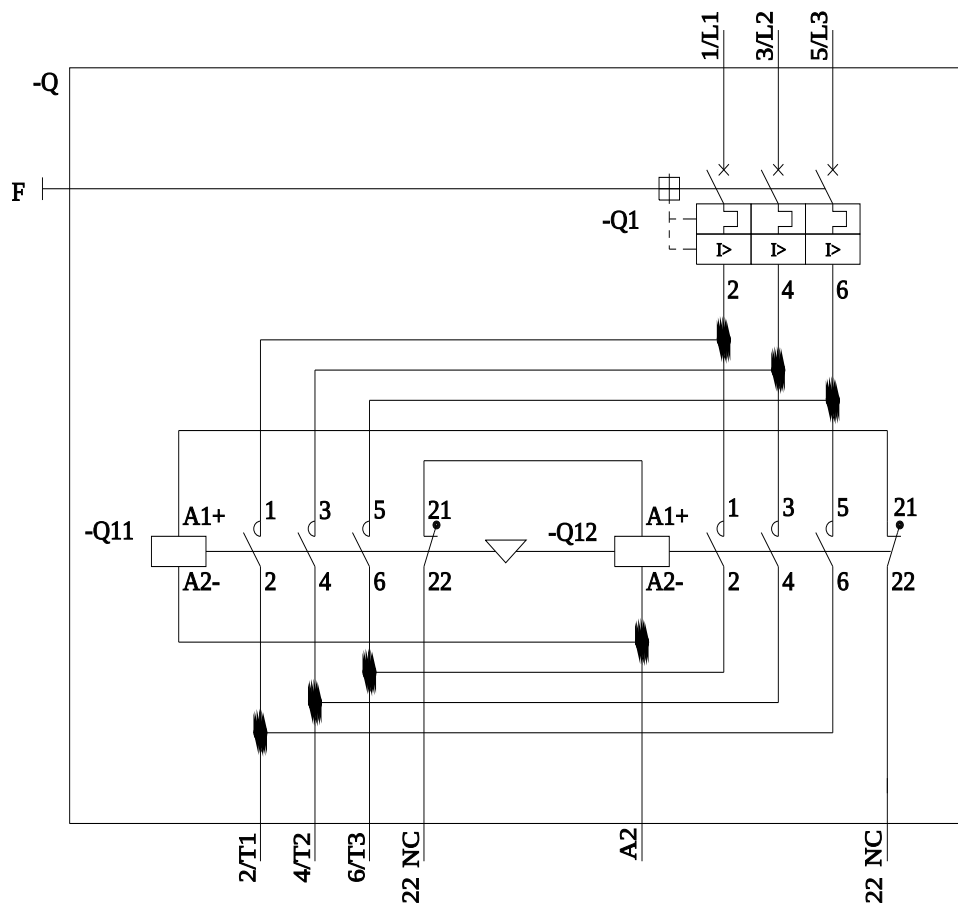
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1HA16-2BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-1HA16-2BB4&objecttype=14&gridview=view1>







last modified:

11/21/2022 