



FUSELESS MOTOR STARTER REVERSING OPERATION 600V AC SZ
S00 0.14-0.2A 220/240V AC 50/60HZ SCREW CONNECTION FOR
SCREW MOUNTING OR 35 MM RAIL-MOUNTING TYPE OF
COORDINATION 2 IQ = 150 KA ALSO FULFILLS TYPE OF
COORDINATION 1 INC (PER CONTACTOR)

product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	reversing starter
manufacturer's article number	
• of the supplied contactor	3RT2015-1AP62
• of the supplied circuit-breakers	3RV2011-0BA10
• of the supplied link module	3RA1921-1DA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance acc. to IEC 60068-2-27	6g / 11 ms
mechanical service life (switching cycles) of contactor typical	30 000 000
type of assignment	2
Substance Prohibitance (Date)	01.03.2017 00:00:00
Ambient conditions	
• ambient temperature during operation	-20 ... +60 °C
• ambient temperature during storage	-50 ... +80 °C
• ambient temperature during transport	-55 ... +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	0.14 ... 0.2 A
• operating voltage rated value	690 V
• operating voltage 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	0.2 A
operating power at AC-3	
• at 400 V rated value	60 W
• at 500 V rated value	60 W
• at 690 V rated value	90 W
Control circuit/ Control	

control supply voltage at AC		220 V	
• at 50 Hz rated value		187 ... 242 V	
• at 50 Hz rated value		240 V	
• at 60 Hz rated value		192 ... 264 V	
• at 60 Hz rated value			
apparent holding power of magnet coil at AC		4.8 V·A	
inductive power factor with the holding power of the coil		0.25	
Auxiliary circuit			
number of NC contacts for auxiliary contacts		1	
number of NO contacts for auxiliary contacts		0	
Protective and monitoring functions			
trip class		CLASS 10	
design of the overload release		thermal (bimetallic)	
response value current of instantaneous short-circuit trip unit		2.6 A	
Short-circuit protection			
product function short circuit protection		Yes	
design of the short-circuit trip		magnetic	
conditional short-circuit current (I_q)			
• at 690 V acc. to IEC 60947-4-1 rated value		100 000 A	
• at 400 V acc. to IEC 60947-4-1 rated value		153 000 A	
• at 500 V acc. to IEC 60947-4-1 rated value		100 000 A	
Installation/ mounting/ dimensions			
mounting position		vertical	
fastening method		Snap-mounted to DIN rail or screw-mounted with additional push-in lug	
height		170 mm	
width		90 mm	
depth		97.1 mm	
required spacing			
• 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 mm², 2x (0.75 ... 2.5 mm²)	
• at AWG cables for main contacts		2x (20 ... 16), only for contactor 2x (18 ... 14), 2x 12	
• connectable conductor cross-section for main contacts finely stranded with core end processing		0.5 ... 2.5 mm²	
Safety related data			
B10 value with high demand rate acc. to SN 31920		1 000 000	
proportion of dangerous failures with high demand rate acc. to SN 31920		73 %	
protection class IP on the front acc. to IEC 60529		IP20	
touch protection on the front acc. to IEC 60529		finger-safe, for vertical contact from the front	
Certificates/ approvals			
General Product Approval		For use in hazardous	Declaration of Conformity

			locations		
				Miscellaneous	
Test Certificates			Marine / Shipping		
Special Test Certificate	Type Test Certificates/Test Report				
Marine / Shipping			other	Railway	
			Confirmation	Vibration and Shock	

Further information

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=3RA2210-0BA15-2AP6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0BA15-2AP6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0BA15-2AP6>

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

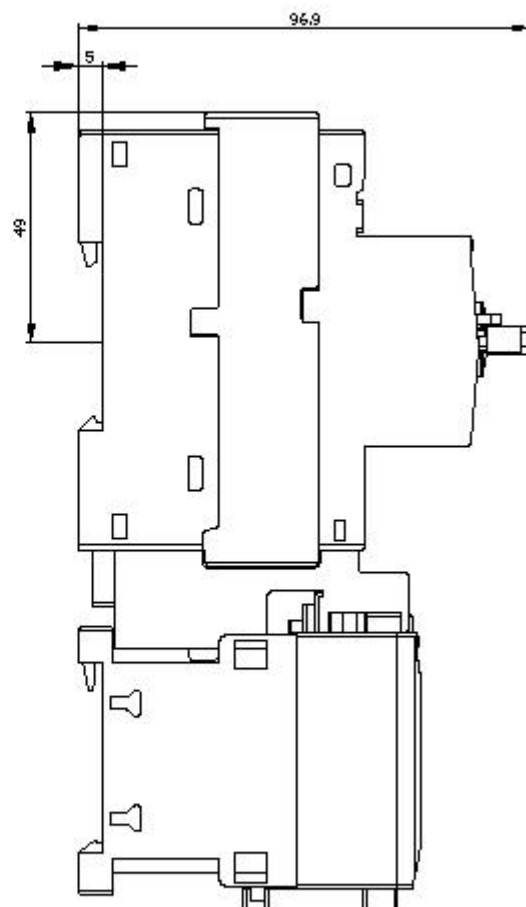
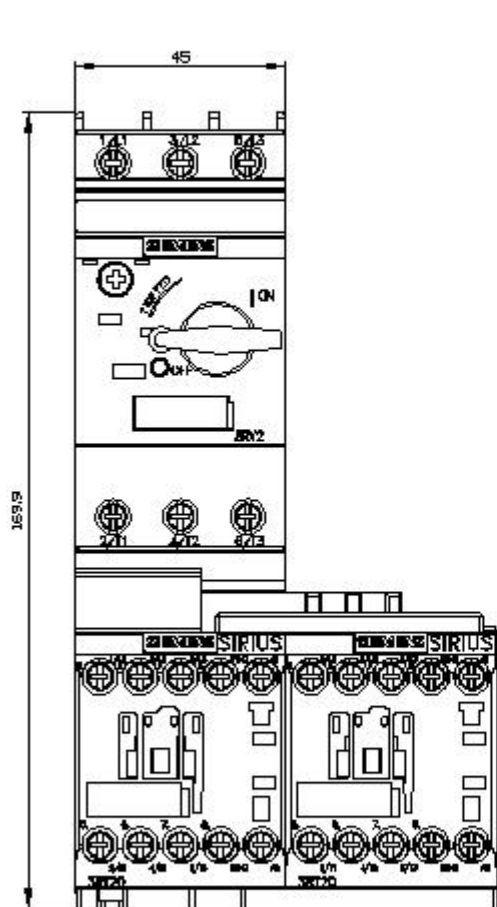
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0BA15-2AP6&lang=en

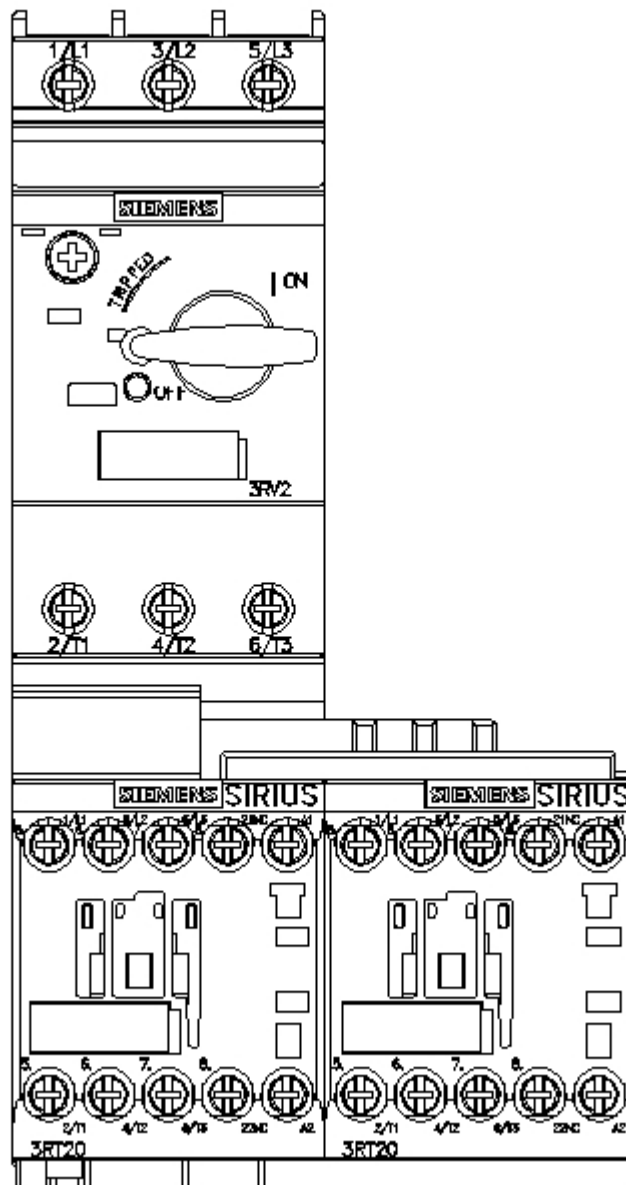
Characteristic: Tripping characteristics, I²t, Let-through current

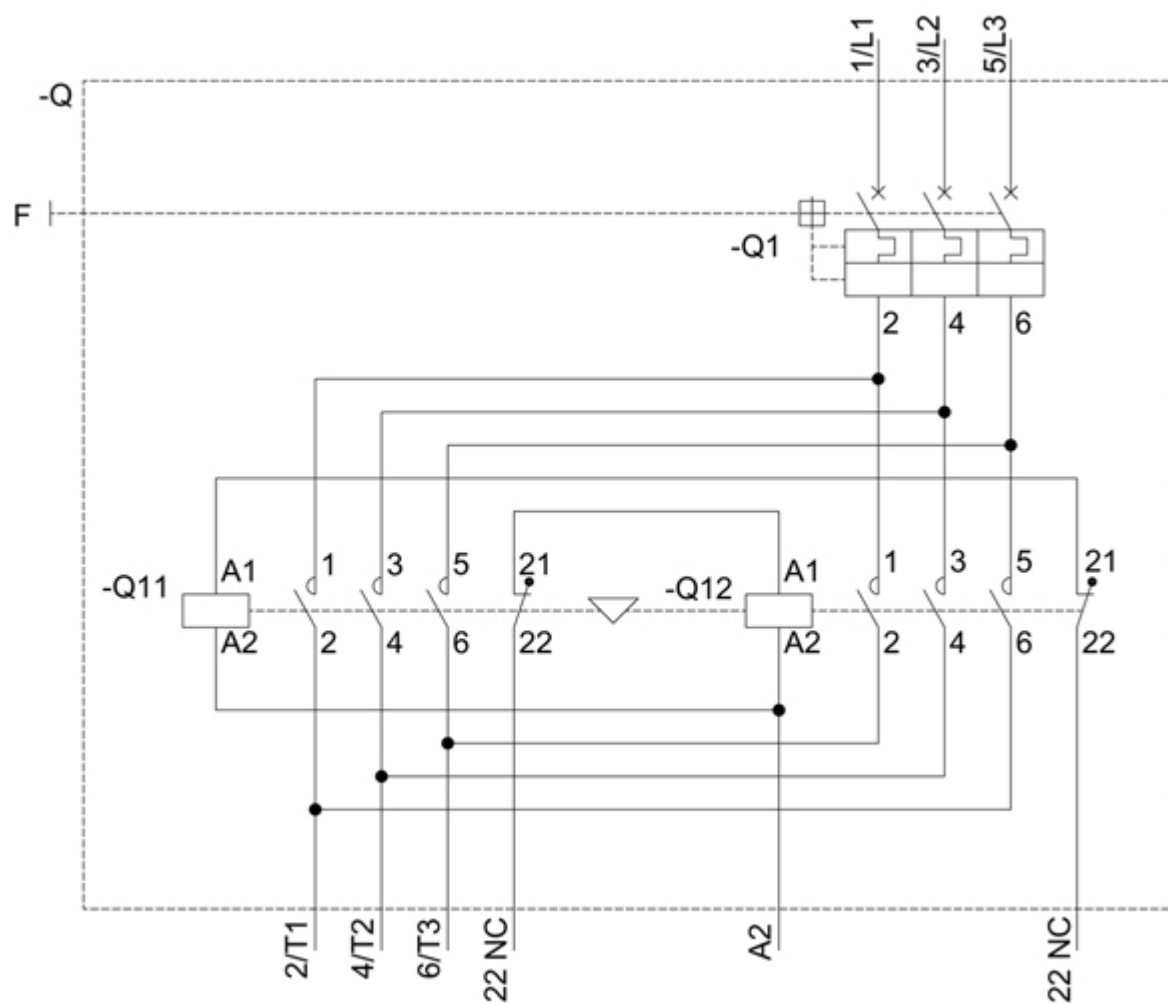
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0BA15-2AP6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0BA15-2AP6&objecttype=14&gridview=view1>







last modified:

12/15/2020 