








Fuseless motor starter Reversing operation 600VAC Size S00 0.7-1A 24V DC screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NC (per contactor)




product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	reversing starter
manufacturer's article number	
<ul style="list-style-type: none"> of the supplied contactor of the supplied circuit-breakers of the supplied link module 	3RT2015-1BB42 3RV2011-0JA15 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 according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	30 000 000
type of assignment	2
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	-20 ... +60 °C -50 ... +80 °C -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	0.7 ... 1 A
operating voltage	
<ul style="list-style-type: none"> rated value at AC-3 rated value maximum 	690 V 690 V
operating frequency rated value	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	0.85 A
operating power at AC-3	
<ul style="list-style-type: none"> at 400 V rated value at 500 V rated value at 690 V rated value 	250 W 370 W 550 W
Control circuit/ Control	
control supply voltage at DC	
<ul style="list-style-type: none"> rated value 	24 V
holding power of magnet coil at DC	4 W

Auxiliary circuit					
number of NC contacts for auxiliary contacts	2				
number of NO contacts for auxiliary contacts	1				
Protective and monitoring functions					
trip class	CLASS 10				
design of the overload release	thermal (bimetallic)				
response value current of instantaneous short-circuit trip unit	13 A				
UL/CSA ratings					
yielded mechanical performance [hp]	0.5 hp				
<ul style="list-style-type: none"> • for 3-phase AC motor <ul style="list-style-type: none"> — at 575/600 V rated value 					
Short-circuit protection					
product function short circuit protection	Yes				
design of the short-circuit trip	magnetic				
conditional short-circuit current (I _q)	100 000 A				
<ul style="list-style-type: none"> • at 690 V according to IEC 60947-4-1 rated value 					
<ul style="list-style-type: none"> • at 400 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value 					
100 000 A	153 000 A				
100 000 A	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	0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm 20 mm 10 mm 9 mm				
<ul style="list-style-type: none"> • for grounded parts <ul style="list-style-type: none"> — forwards — backwards — upwards — at the side — downwards • for live parts <ul style="list-style-type: none"> — forwards — backwards — upwards — downwards — at the side 					
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 ² , 2x (0.75 ... 2.5 mm ²)				
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 ... 2.5 mm ²				
Safety related data					
B10 value with high demand rate according to SN 31920	1 000 000				
proportion of dangerous failures with high demand rate according to SN 31920	73 %				
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				
Certificates/ approvals					
General Product Approval	For use in hazardous locations	Declaration of Conformity			
Confirmation					
	UL		ATEX	EG-Konf.	
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=3RA2215-0JA15-2BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-0JA15-2BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0JA15-2BB4>

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

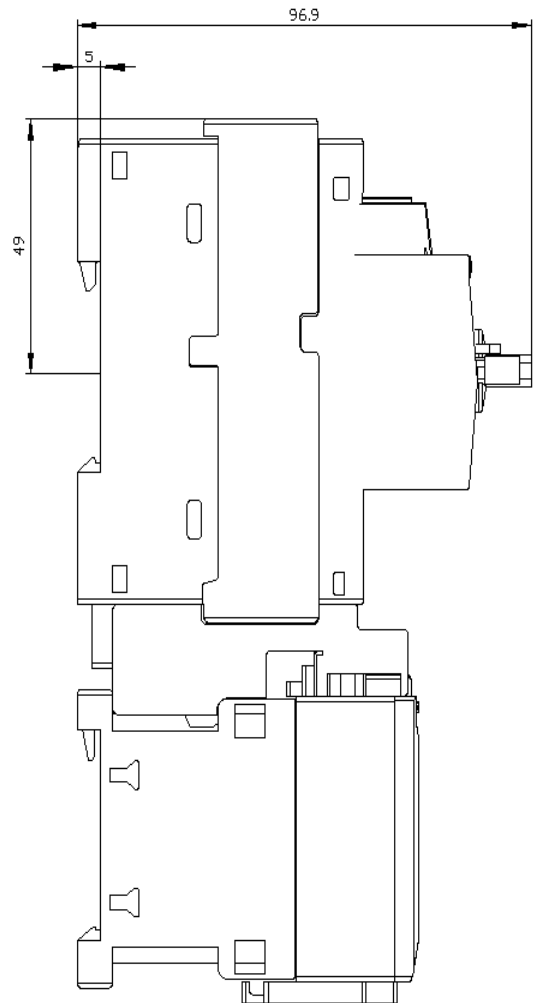
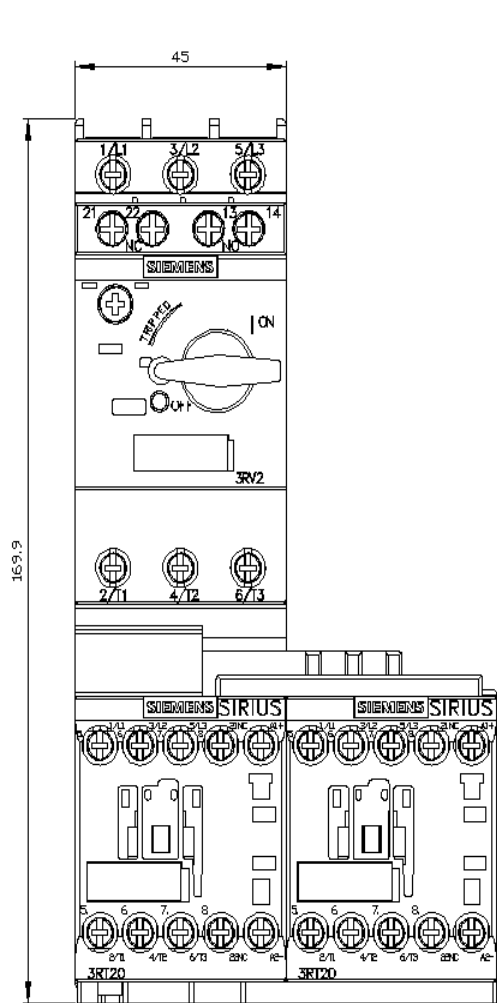
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-0JA15-2BB4&lang=en

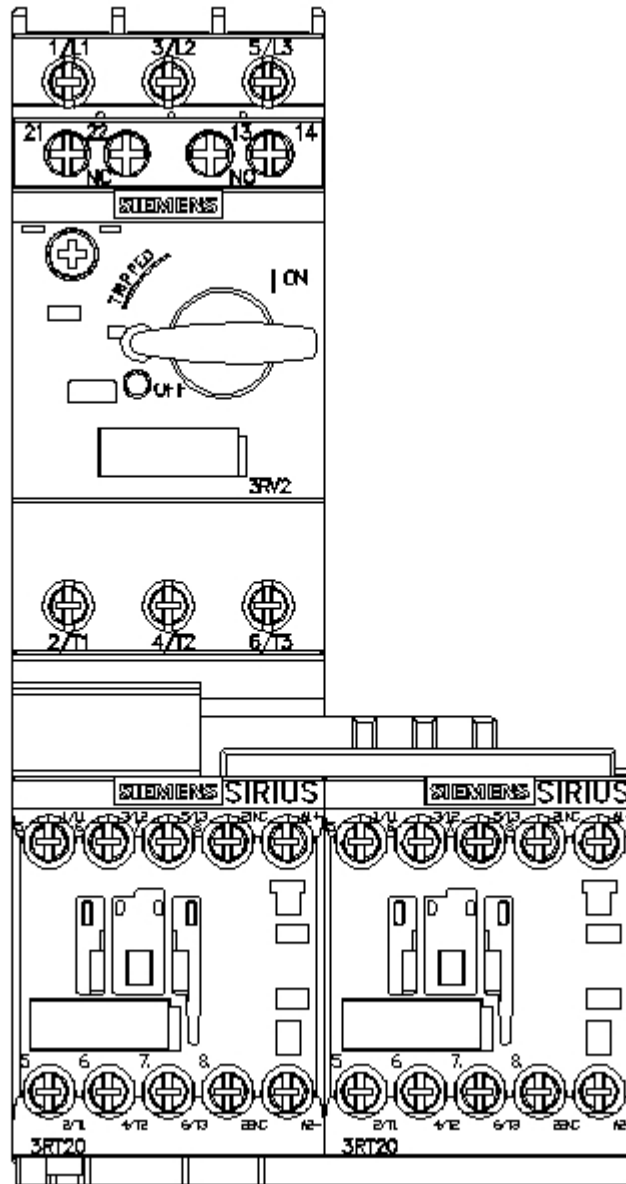
Characteristic: Tripping characteristics, I²t, Let-through current

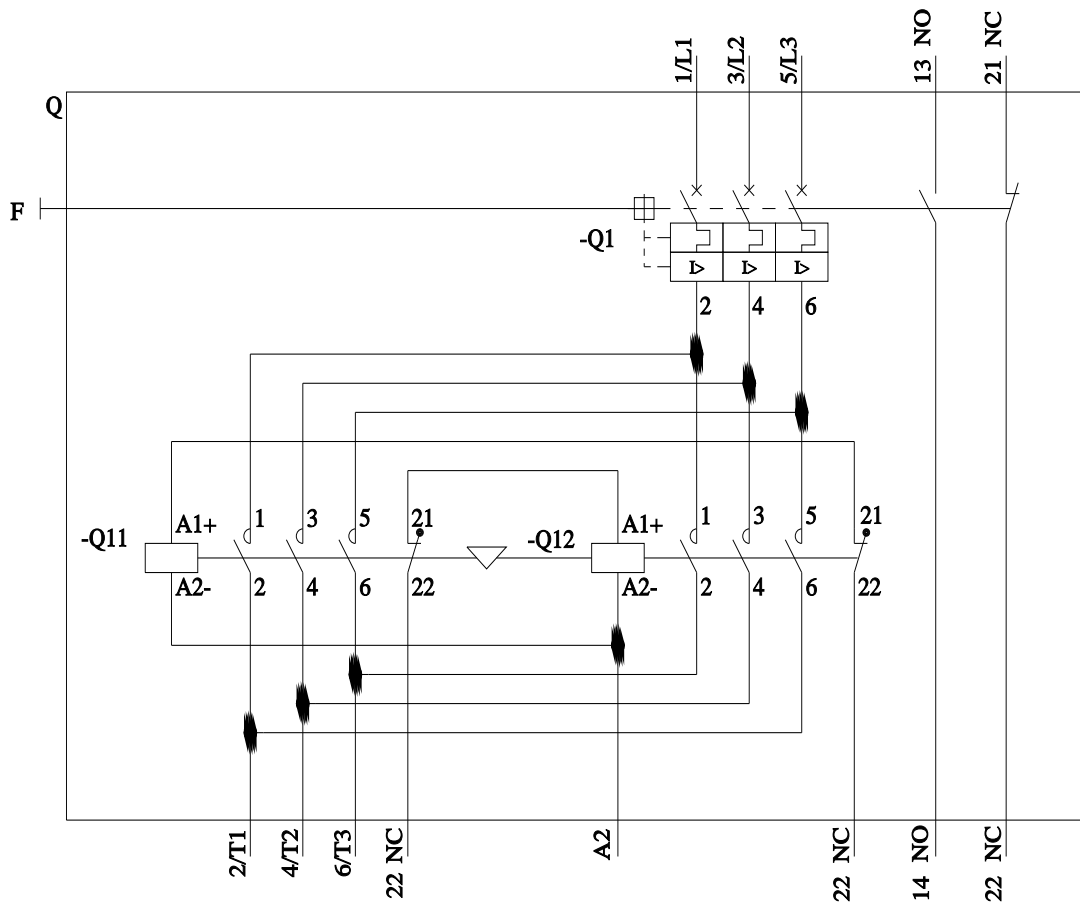
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0JA15-2BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-0JA15-2BB4&objecttype=14&gridview=view1>







last modified:

12/15/2020 