



Fuseless motor starter Direct start 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) 1NO (contactor)

product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	direct starter
manufacturer's article number	
• of the supplied contactor	3RT2015-1BB41
• of the supplied circuit-breakers	3RV2011-0JA15
• 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 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	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• 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	0.7 ... 1 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	0.85 A
operating power at AC-3	
• at 400 V rated value	250 W
• at 500 V rated value	370 W
• at 690 V rated value	550 W
Control circuit/ Control	
control supply voltage at DC	
• rated value	24 V
holding power of magnet coil at DC	4 W

Auxiliary circuit				
number of NC contacts for auxiliary contacts	1			
number of NO contacts for auxiliary contacts	2			
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			
- for 3-phase AC motor - 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 153 000 A 100 000 A			
at 690 V according to IEC 60947-4-1 rated value				
at 400 V according to IEC 60947-4-1 rated value				
at 500 V according to IEC 60947-4-1 rated value				
Installation/ mounting/ dimensions				
mounting position	vertical			
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug			
height	167.2 mm			
width	45 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			
- 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 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)	
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 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 hazard-ous locations		
Declaration of Conformity				
Confirmation     				
Test Certificates		Marine / Shipping		



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=3RA2115-0JA15-1BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0JA15-1BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0JA15-1BB4>

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

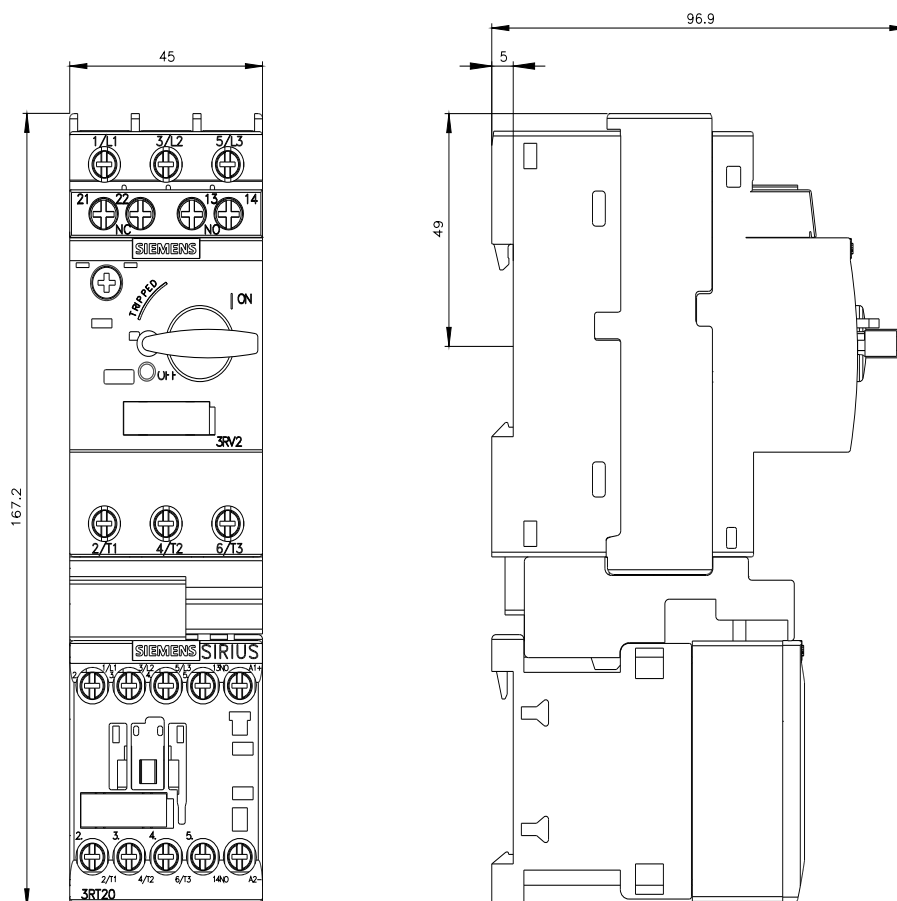
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0JA15-1BB4&lang=en

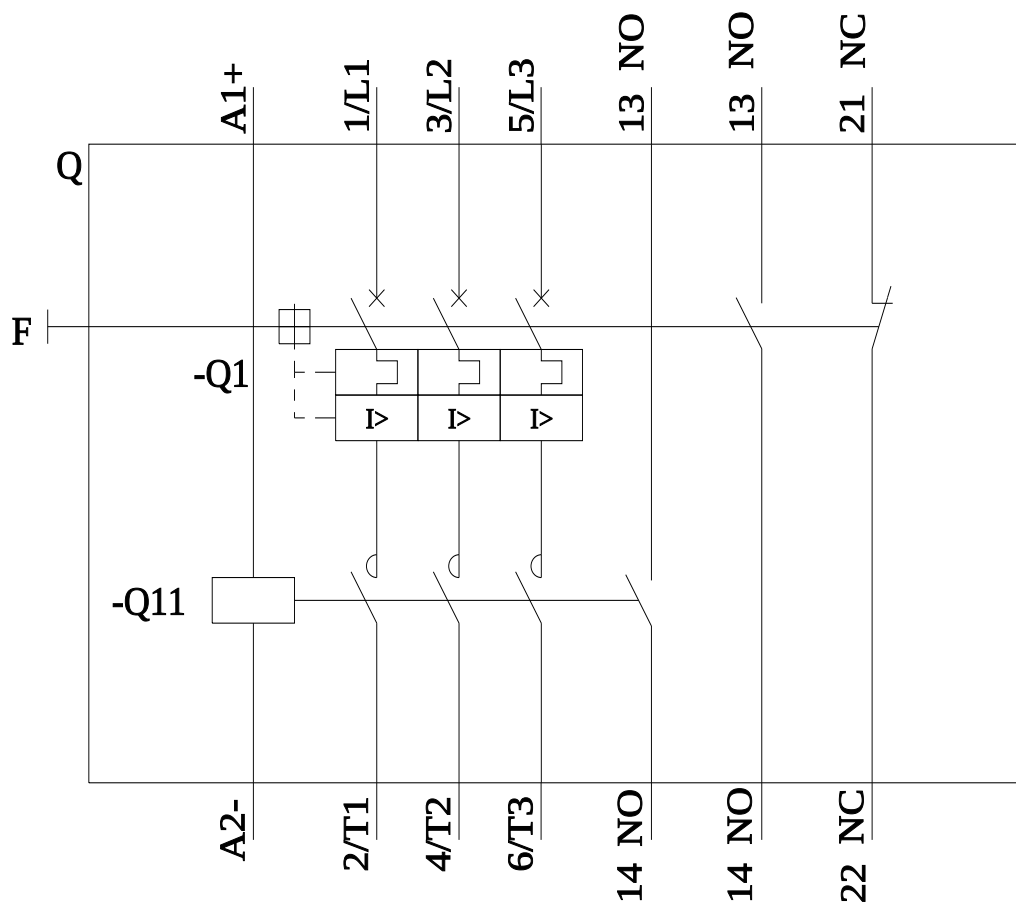
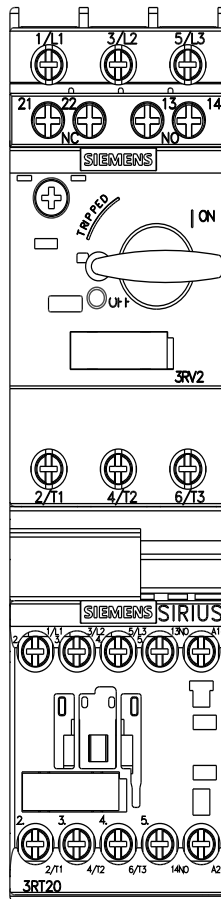
Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0JA15-1BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0JA15-1BB4&objecttype=14&gridview=view1>





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