SIEMENS

Data sheet

3RA2115-1CA15-1AK6



Fuseless motor starter Direct start 600VAC Size S00 1.8-2.5A 110/120VAC 50/60HZ 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 	3RT2015-1AK61
 of the supplied circuit-breakers 	3RV2011-1CA15
 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	1.8 2.5 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	1.9 A
operating power at AC-3	
at 400 V rated value	750 W
at 500 V rated value	1 100 W
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	110 V
• at 50 Hz rated value	93.5 121 V

apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil Auxiliary circuit number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit UUCSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value 1 for 3-phase AC motor - at 200 V rated value 1 for 3-phase AC motor - at 230 V rated value 1 for 3-phase AC motor - at 2200/208 V rated value - at 2200/208 V rated value - at 460/480 V rated value - at 460/480 V rated value - at 450/480 V rated value - at 450/5600 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 600 V rated value - at 480/480 V rated value - at 575/600 V rated value - at 500 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 - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 60947-4-1 rated value - at 500 V according to IEC 609	
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fastening methodSnap-mounted to DIN rail or screw-mounted with additional push-in lugheight167.2 mmwidth45 mm	
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width 45 mm	
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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)	
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- Declaration of Conformity	

Confirmation











Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping





Confirmation

other

Vibration and Shock

Railway

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=3RA2115-1CA15-1AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-1CA15-1AK6

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-1CA15-1AK6

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

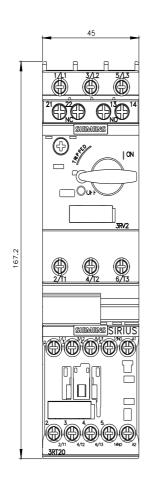
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-1CA15-1AK6&lang=en

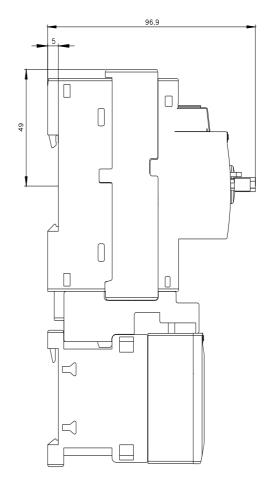
Characteristic: Tripping characteristics, I2t, Let-through current

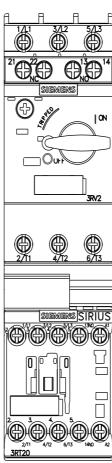
https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-1CA15-1AK6/char

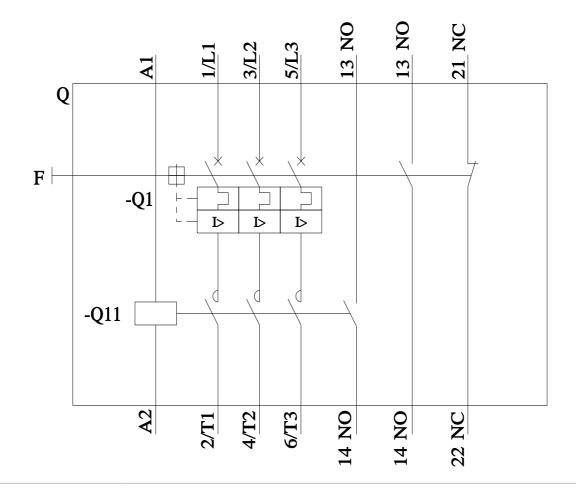
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-1CA15-1AK6&objecttype=14&gridview=view1









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