SIEMENS

Data sheet

3RA2115-0EA15-1AK6



Fuseless motor starter Direct start 600VAC Size S00 0.28-0.4A 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	3RV2011-0EA15
 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	0.28 0.4 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	0.3 A
operating power at AC-3	
• at 400 V rated value	90 W
• at 500 V rated value	120 W
● at 690 V rated value	180 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

proportion of dangerous failures with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Certificates/ approvals General Product Approval	IP20 finger-safe, for vertical contact from the front For use in hazard- ous locations Declaration of Conformity
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	
according to SN 31920 protection class IP on the front according to IEC 60529	
according to SN 31920	UDDO.
	73 %
B10 value with high demand rate according to SN 31920	1 000 000
Safety related data	
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections for main contacts stranded	0.5 4 mm², 2x (0.75 2.5 mm²)
type of electrical connection for main current circuit	screw-type terminals
Connections/ Terminals	
— at the side	9 mm
— downwards	10 mm
— upwards	20 mm
— backwards	0 mm
— forwards	0 mm
• for live parts	
— downwards	10 mm
— at the side	9 mm
— upwards	20 mm
— backwards	0 mm
— forwards	0 mm
 for grounded parts 	
required spacing	
depth	97.1 mm
width	45 mm
height	167.2 mm
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug
mounting position	vertical
Installation/ mounting/ dimensions	
 at 500 V according to IEC 60947-4-1 rated value 	100 000 A
 at 400 V according to IEC 60947-4-1 rated value 	153 000 A
• at 690 V according to IEC 60947-4-1 rated value	100 000 A
conditional short-circuit current (Iq)	
design of the short-circuit trip	magnetic
product function short circuit protection	Yes
Short-circuit protection	
response value current of instantaneous short-circuit trip unit	5.2 A
design of the overload release	thermal (bimetallic)
trip class	CLASS 10
Protective and monitoring functions	
number of NO contacts for auxiliary contacts	2
number of NC contacts for auxiliary contacts	1
Auxiliary circuit	
inductive power factor with the holding power of the coil	0.25
apparent holding power of magnet coil at AC	4.8 VA
at 00 112 lated value	96 132 V
 at 60 Hz rated value at 60 Hz rated value 	











Test Certificates

Marine / Shipping









Marine / Shipping

other Railway







Confirmation

Vibration and Shock

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=3RA2115-0EA15-1AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0EA15-1AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0EA15-1AK6

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

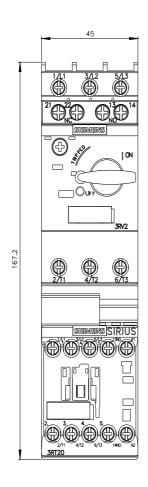
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0EA15-1AK6&lang=en

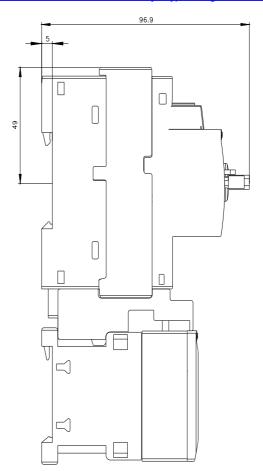
Characteristic: Tripping characteristics, I2t, Let-through current

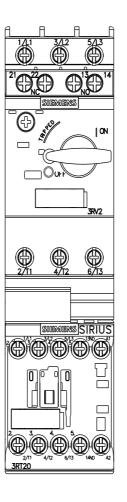
https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0EA15-1AK6/char

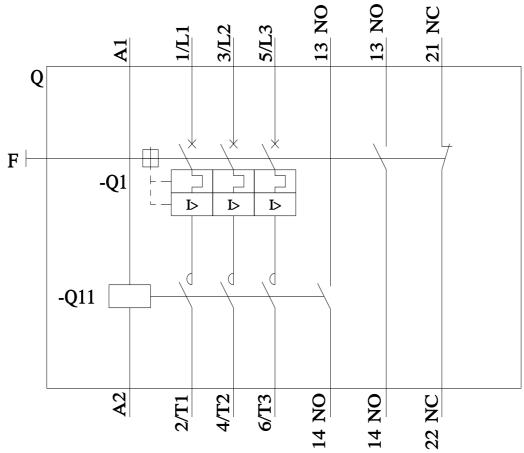
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0EA15-1AK6&objecttype=14&gridview=view1









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