SIEMENS

Data sheet

3RA2115-0FA15-1AK6



Fuseless motor starter Direct start 600VAC Size S00 0.35-0.5A 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 designation display of the product direct starter manufacturer's article number of the supplied contactor of the supplied circuit-breakers size of the circuit-breaker size of load feeder product extension auxiliary switch yes insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60088-2-27 feed and the surge of self (operating cycles) of contactor typical surge voltage resistance according to IEC 60088-2-27 defy / 11 ms mechanical service life (operating cycles) of contactor typical of uring operation during storage during operation during storage during operation during storage during operation design of the switching contact selectromechanical adjustable current response value current of the current dependent overload release operating voltage at AC-3 rated value at AC-3 arted value maximum operating frequency rated value operating power at AC-3 at 400 V rated value at 600 V rated value	product brand name	SIRIUS
design of the product direct starter	•	
manufacturer's article number of the supplied contactor 3RT2015-1AK61 of the supplied link module 3RA1921-1DA00 General technical data size of the circuit-breaker size		
of the supplied circuit-breakers of the supplied link module of the supplied link module size of the circuit-breaker size of the circuit-brea		
of the supplied circuit-breakers of the supplied link module Size of the circuit-breaker Size of the circuit-breaker Size of the circuit-breaker Size of load feeder Size of load feeder Size of load feeder Size of the circuit-breaker Size of the circuit-breaker Size of load feeder Siz		3RT2015-1AK61
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Size of the circuit-breaker \$00 size of load feeder \$00 product extension auxiliary switch Yes insulation voltage with degree of pollution \$1 at AC rated value \$690 V\$ degree of pollution \$3 surge voltage resistance rated value \$6/11 ms mechanical service life (operating cycles) of contactor typical \$30 000 000 type of assignment \$2 Ambient conditions ambient temperature • during operation \$20		
size of the circuit-breaker size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical type of assignment 4 Ambient temperature during operation during storage during transport discription sign of the switching contact adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value at 4C-3 at 400 V rated value at 500 V rated value at 650	· ·	
size of load feeder product extension auxiliary switch product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value gere of pollution 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 vpe of assignment Ambient conditions ambient temperature during operation during storage during storage during transport 5-5 +80 °C during transport design of the switching contact dependent overload release operating voltage rated value at AC-3 rated value maximum generating power at AC-3 e at 400 V rated value at 500 V rated value 250 W control supply voltage at AC e at 50 Hz rated value 110 V	<u> </u>	S00
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surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical type of assignment 2 Ambient conditions amblent temperature • during operation • during storage • during storage • during transport number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC-3 rated value maximum operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	degree of pollution	3
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Ambient conditions ambient temperature • during operation • during storage • during transport -55 +80 °C -55 +80 °C -40 uring transport -55 +80 °C -55 +80 °C -55 +80 °C -75	shock resistance according to IEC 60068-2-27	6g / 11 ms
Ambient conditions ambient temperature • during operation • during storage • during transport Ambient circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V vated value • at 690 V vated value • at 500 V rated value • at 690 V vated value • at 500 V rated value	mechanical service life (operating cycles) of contactor typical	30 000 000
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number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating ourrent at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 50 V rated value • at 690 V Operating power at AC-3 • at 400 V rated value • at 500 V rated value 110 V	during storage	-50 +80 °C
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dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operating power at AC-3 at 400 V rated value 0.4 A operating power at AC-3 • at 400 V rated value 120 W • at 500 V rated value 180 W • at 690 V rated value 250 W Control circuit/ Control control supply voltage at AC • at 50 Hz rated value 110 V	design of the switching contact	electromechanical
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at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 at 400 V rated value 120 W at 500 V rated value 180 W at 690 V rated value 250 W Control circuit/ Control control supply voltage at AC at 50 Hz rated value 110 V	operating voltage	
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at 400 V rated value at 500 V rated value at 690 V rated value 250 W Control circuit/ Control control supply voltage at AC at 50 Hz rated value 110 V	operational current at AC-3 at 400 V rated value	0.4 A
at 500 V rated value at 690 V rated value 250 W Control circuit/ Control control supply voltage at AC at 50 Hz rated value 180 W 250 W 110 V	operating power at AC-3	
at 690 V rated value Control circuit/ Control control supply voltage at AC at 50 Hz rated value 250 W 110 V	• at 400 V rated value	120 W
Control circuit/ Control control supply voltage at AC • at 50 Hz rated value 110 V	● at 500 V rated value	180 W
control supply voltage at AC • at 50 Hz rated value 110 V	at 690 V rated value	250 W
• at 50 Hz rated value 110 V	Control circuit/ Control	
	control supply voltage at AC	
• at 50 Hz rated value 93.5 121 V	• at 50 Hz rated value	110 V
	at 50 Hz rated value	93.5 121 V

at 60 Hz rated value	120 V
at 60 Hz rated value	96 132 V
apparent holding power of magnet coil at AC	4.8 VA
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	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	6.5 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
• at 690 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 500 V according to IEC 60947-4-1 rated value	100 000 A
Installation/ mounting/ dimensions	100 000 71
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
	97.1 mm
depth	97.1 111111
required spacing	
for grounded partsforwards	0 mm
— backwards	0 mm
	20 mm
— upwards	
— at the side — downwards	9 mm 10 mm
	10 111111
• for live parts	0
— 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- ous locations Declaration of Conformity
Confirmation []	_ 111/











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=3RA2115-0FA15-1AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0FA15-1AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0FA15-1AK6

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

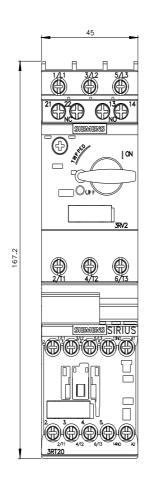
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0FA15-1AK6&lang=en

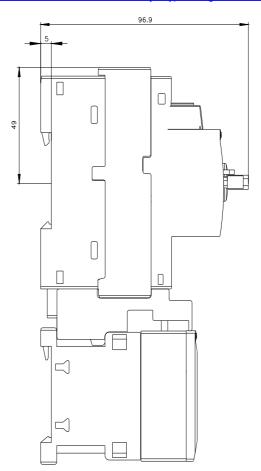
Characteristic: Tripping characteristics, I2t, Let-through current

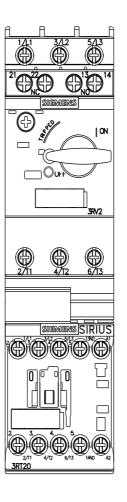
https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0FA15-1AK6/char

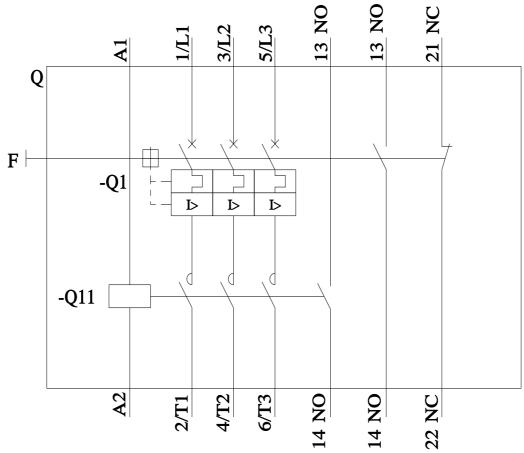
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0FA15-1AK6&objecttype=14&gridview=view1









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