SIEMENS

Data sheet

3RA2215-0BA15-2BB4



FUSELESS MOTOR STARTER REVERSING OPERATION 600V AC SZ S00 0.14-0.2A 24V DC SCREW CONNECTION FOR SCREW MOUNTING OR 35 MM RAIL-MOUNTING TYPE OF COORDINATION 2 IQ = 150 KA ALSO FULFILLS TYPE OF COORDINATION 1 1NO+1NC (MSP) 1NC (PER CONTACTOR)

product designation design of the product reversing starter anufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied in module size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the desupplied in module size of load feeder so product extension auxiliary switch resulting switch degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 gg /1 Im mechanical service life (operating cycles) of contactor typical during storage during storage during storage - 50 +60 °C during storage - 4 during peration - 4 during peration - 4 during storage - 55 +80 °C - 55 +80 °C Main circuit number of poles for main current circuit dessign of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage - rated value - at AC-3 rated value maximum operationsl current at AC-3 at 400 V rated value - at 400 V rated value	product brand name	SIRIUS
manufacturer's article number of the supplied contactor of the supplied cliricult-breakers of the supplied cliricult-breakers of the supplied cliricult-breaker size of the supplied cliricult-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of toad feeder S00 size of toad feeder S00 product extension auxiliary switch risulation 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 69 / 11 ms mechanical service life (operating cycles) of contactor typical 30 0000 000 type of assignment 2 Ambient emperature during operation during storage during torage during transport 50 +80 °C Main circuit number of poles for main current circuit 3 design of the switching contact dependent overload release operating voltage at AC-3 rated value maximum 690 V at AC-0 rated value 4 t AC-3 rated value maximum 600 V at 500 V rated value 60 W 60 V rated value 60 W 60 V rated value 60 V rated value	product designation	non-fused motor starter 3RA2
of the supplied contactor of the supplied circuit-breakers of the supplied ink module SRAY2011-08A15 size of the circuit-breaker size of the circuit-breaker 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 3 surge voltage resistance rated value shock resistance according to IEC 60068-2-27 66 / 11 ms mechanical service life (operating cycles) of contactor typical you of during dividence of contactor typical ambient temperature during storage during storage during transport Auting operation during transport South according to IEC 60068-2-27 supplied to IEC 60068-2-2	design of the product	reversing starter
of the supplied circuit-breakers of the supplied link module 3RA1921-1DA00 Size of the circuit-breaker size of the circuit-breaker Size of load feeder Size of load feeder Size of the circuit-breaker Size of load feeder S	manufacturer's article number	
of the supplied link module Ceneral technical data size of the circuit-breaker Size of toad feeder Size of load feeder	 of the supplied contactor 	3RT2015-1BB42
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 6k V shock resistance according to IEC 60069-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport Main circuit number of poles for main current circuit design of the switching contact dependent overload release operating voltage • rated value • at AC-3 rated value maximum operation frequency rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	 of the supplied circuit-breakers 	3RV2011-0BA15
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 -55 +80 °C • during transport -55 +80 °C during ransport -55 +80 °C design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 0.2 A operating power at AC-3 • at 400 V rated value 60 W • at 690 V rated value 90 W Control circuit/ Control control supply voltage at DC • rated value 90 W Control circuit/ Control control supply voltage at DC • rated value • rated value • rated value • at 690 V rated value • 24 V	 of the supplied link module 	3RA1921-1DA00
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 mechanical service life (operating cycles) of contactor typical type of assignment Ambient conditions ambient temperature of during operation during storage during storage during storage during transport -50 +80 °C during transport adjustable current syonse value current of the current-dependent overload release operating voltage at AC-3 rated value maximum poperating power at AC-3 at 400 V rated value at 500 V rated value at 500 V rated value at 500 V rated value at 600 V at tot value at 600 V at tot value at 500 V rated value at 500 V rated value at 500 V rated value 90 W control circuit/ Control control supply voltage at DC at action at AC-3 at 400 V rated value at 600 V at tot value 90 W control circuit/ Control control supply voltage at DC at 700 V rated value at 600 V rated value 90 W control supply voltage at DC at 700 V rated value 44 V	General technical data	
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 (Bg / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during operation during storage during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact dependent overload release operating voltage rated value eat AC-3 rated value maximum speriation lurrent at AC-3 at 400 V rated value operating power at AC-3 eat 400 V rated value eat 500 V rated value eat 500 V rated value eat 500 V rated value eat 600 V eat 600 V rated value eat 600 V eat 600 V rated value eat 500 V rated value eat 600 V eat 600 V rated value eat 600 V eat 600 V rated value eat 600 V eat 600 V rated value eat 600 V rated value eat 600 V rated value eat 500 V rated value eat 600 V rated value eat 500 V rated value eat 600 V erated value eat 600 V	size of the circuit-breaker	S00
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 operating voltage • 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 60 W • at 500 V rated value 60 W • at 690 V rated value 90 W Control circuit/ Control control supply voltage at DC • rated value 90 W control supply voltage at DC • rated value 024 V	size of load feeder	S00
degree of pollution 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 ambient temperature during operation during storage during transport -50 +80 °C Main circuit 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 frequency rated value operating power at AC-3 at 400 V rated value at 400 V rated value at 600 W at 600 V vated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 at 400 V rated value operational current at AC-3 operating power at AC-3 at 400 V rated value operational current at AC-3 operational current at AC-3 at 400 V rated value operational current at AC-3 operational current at AC-3 at 400 V rated value operational current at AC-3 operation at 600 W at	product extension auxiliary switch	Yes
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical type of assignment Ambient conditions ambient temperature oluring operation oluring storage oluring transport adjustable current response value current of the current-dependent overload release operating voltage or at AC-3 rated value operational current at AC-3 at 400 V rated value olat 400 V rated value olat 600 V olat 600 V vated value	insulation voltage with degree of pollution 3 at AC rated value	690 V
shock resistance according to IEC 60068-2-27	degree of pollution	3
mechanical service life (operating cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during operation • during storage • during transport Adin circuit number of poles for main current circuit design of the switching contact electromechanical 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 rated value	surge voltage resistance rated value	6 kV
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 operating voltage • rated value 690 V operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 0.2 A operating power at AC-3 • at 400 V rated value 60 W • at 690 V rated value 60 W • at 690 V rated value 90 W Control circuit/ Control control supply voltage at DC • rated value 24 V	shock resistance according to IEC 60068-2-27	6g / 11 ms
Ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 3 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 690 V operating frequency rated value 0 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value	mechanical service life (operating cycles) of contactor typical	30 000 000
ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -55 +80 °C Main circuit 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 power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V • at 690 V operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	type of assignment	2
 during operation during storage during transport -50 +80 °C during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact electromechanical 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 frequency rated value operating power at AC-3 at 400 V rated value operating power at AC-3 at 400 V rated value at 500 V rated value at 60 W at 60 W at 600 V Control circuit/ Control control circuit/ Control control supply voltage at DC rated value at 40 value 	Ambient conditions	
• during storage • during transport • during transport 755 +80 °C Main circuit 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 power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V • at 690 V rated value	ambient temperature	
oduring transport design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value maximum operating frequency rated value operating power at AC-3 operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at 700 V rated value • at 600 V rated value	 during operation 	-20 +60 °C
Main circuit 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 power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V control circuit/ Control control supply voltage at DC • rated value • rated value 24 V	during storage	-50 +80 °C
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 l current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 24 V	during transport	-55 +80 °C
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 frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 24 V	Main 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 frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value oat 690 V rated value 24 V	number of poles for main current circuit	3
dependent overload release operating voltage • rated value • 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 • at 500 V rated value • at 690 V control circuit/ Control control supply voltage at DC • rated value • rated value • 24 V	design of the switching contact	electromechanical
rated value at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 operating power a		0.14 0.2 A
■ at AC-3 rated value maximum G90 V Operating frequency rated value Operational current at AC-3 at 400 V rated value Operating power at AC-3 ● at 400 V rated value ● at 500 V rated value ● at 690 V rated value ● at 690 V rated value Ontrol circuit/ Control Control supply voltage at DC ● rated value 24 V	operating voltage	
operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value ontrol circuit/ Control control supply voltage at DC • rated value 24 V	rated value	690 V
operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value control circuit/ Control control supply voltage at DC • rated value 24 V	at AC-3 rated value maximum	690 V
operating power at AC-3 • at 400 V rated value 60 W • at 500 V rated value 60 W • at 690 V rated value 90 W Control circuit/ Control control supply voltage at DC • rated value 24 V	operating frequency rated value	50 60 Hz
• at 400 V rated value 60 W • at 500 V rated value 90 W Control circuit/ Control control supply voltage at DC • rated value 24 V	operational current at AC-3 at 400 V rated value	0.2 A
at 500 V rated value at 690 V rated value 90 W Control circuit/ Control control supply voltage at DC rated value 24 V	operating power at AC-3	
at 690 V rated value Control circuit/ Control control supply voltage at DC rated value 24 V	• at 400 V rated value	60 W
Control circuit/ Control control supply voltage at DC • rated value 24 V	• at 500 V rated value	60 W
control supply voltage at DC ● rated value 24 V	at 690 V rated value	90 W
• rated value 24 V	Control circuit/ Control	
	control supply voltage at DC	
holding power of magnet coil at DC 4 W	rated value	24 V
	holding power of magnet coil at DC	4 W

0101110

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	2.6 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	
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	
for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— at the side	9 mm
— downwards• for live parts	10 mm
— 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



EHC







Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping other Railway Dangerous Good







<u>Confirmation</u> <u>Vibration and Shock</u> <u>Transport Information</u>

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/qlobal/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=3RA2215-0BA15-2BB4

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2215-0BA15-2BB4}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0BA15-2BB4

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

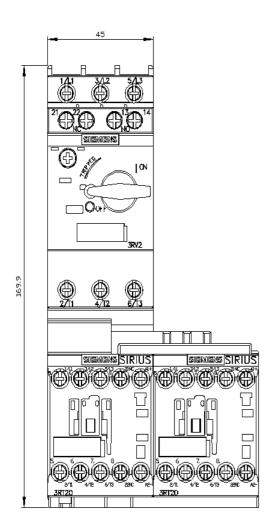
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-0BA15-2BB4&lang=en

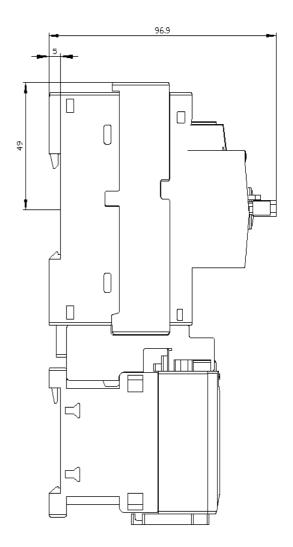
Characteristic: Tripping characteristics, I2t, Let-through current

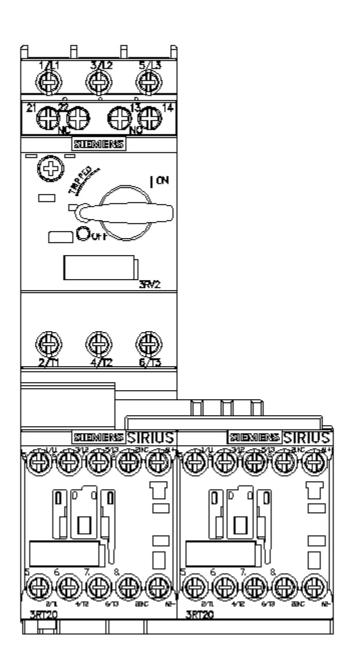
https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0BA15-2BB4/char

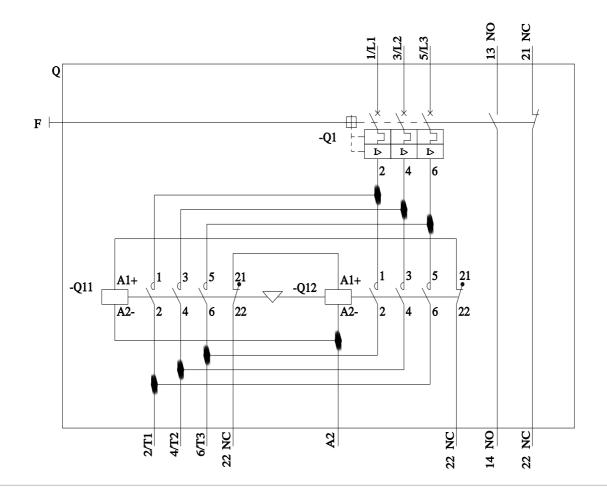
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-0BA15-2BB4&objecttype=14&gridview=view1









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