SIEMENS

Data sheet

3RA2115-0GA15-1BB4



Fuseless motor starter Direct start 600VAC Size S00 0.45-0.63A 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 designation design of the product design of the product of the supplied contactor of the supplied circuit-breakers of the supplied ink module size of the circuit-breaker size of to desupplied link module size of load feeder so 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 60068-2-27 eg / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during storage during pranport during storage -55 +80 °C 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 at AC-3 rated value maximum operational current at AC-3 at 400 V rated value at 400 V rated value at 400 V rated value at 4500 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 toad feeder S00 size of toad feeder S00 product extension auxiliary switch risulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 go / 11 ms mechanical service life (operating cycles) of contactor typical 30 0000 000 type of assignment Ambient temperature during operation during storage during transport -50 +60 °C during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact dependent overload release operating voltage at AC-3 rated value maximum separation urrent at AC-3 at AG-3 rated value maximum separation urrent at AC-3 at 400 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 600 V rated value	product designation	non-fused motor starter 3RA2
of the supplied contactor of the supplied circuit-breakers of the supplied ink module saRAY2011-06A15 of the supplied link module saRA1921-1DA00 General technical data size of the circuit-breaker soo size of load feeder product extension auxiliary switch residency of pollution or salary of the	design of the product	direct 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 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 6 kV 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 Alain circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release e rated value at AC-3 rated value maximum operating frequency rated value e at 400 V rated value at 690 V e at 690 V e at 690 V rated value e at 690 V rat	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 	3RT2015-1BB41
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 6kV 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 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 • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V	 of the supplied circuit-breakers 	3RV2011-0GA15
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 68/11 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 power at AC-3 at 400 V rated value 0.6 A operating power at AC-3 • at 400 V rated value 180 W • at 690 V rated value 250 W control supply voltage at DC • rated value 50 V rated value 250 W Control circuit/ Control control supply voltage at DC • rated value 50 V rated value 24 V	 of the supplied link module 	3RA1921-1DA00
size of load feeder product extension auxiliary switch product extension auxiliary switch 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 during operation during storage during storage during storage during transport -55 +80 °C 4 during transport design of the switching contact dependent overload release operating voltage at AC-3 rated value maximum 690 V operating 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 690 V rated value at 500 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 500 V rated value at 690 V rated value at 500 V rated value	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 6g / 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 at AC-3 rated value maximum speration lurrent at AC-3 at 400 V rated value operationg current at AC-3 at 400 V rated value 180 W at 500 V rated value 180 W at 500 V rated value 24 V erated value 250 W control circuit/ Control control supply voltage at DC erated value 24 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 180 W • at 500 V rated value 180 W • at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC • rated value 24 V	size of load feeder	S00
degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 seg / 11 ms 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 600 V rated value 180 W at 600 V rated value 180 W at 600 V rated value 180 W at 600 V rated value 250 W Control circuit/ Control control supply voltage at DC at at 600 V rated value at 600 V rated value 24 V	product extension auxiliary switch	Yes
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 intransport -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 • 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 180 W • at 500 V rated value 180 W • at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC • rated value 24 V	insulation voltage with degree of pollution 3 at AC rated value	690 V
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 • during storage • during transport Ambient control supply voltage at DC • during storage • during transport -20 +60 °C -50 +80 °C -50 +80 °C -55 +80 °C -60 +8	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 0.6 A operating power at AC-3 • at 400 V rated value 180 W • at 690 V rated value 180 W • at 690 V rated value 250 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 Ambient circuit number of poles for main current circuit adesign 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 prequency rated value operating power at AC-3 • at 400 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 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 at 500 V rated value at 500 V rated value at 690 V at 690 V control circuit/ Control Control circuit/ Control control supply voltage at DC rated value at value 	Ambient conditions	
• during storage • 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 rated value	ambient temperature	
oluring 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 • 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 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 frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control • rated value • rated value	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 vated value • at 690 V rated value • at 690 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC • 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 vated value • at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC • 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 control circuit/ Control control supply voltage at DC • rated value 0.45 0.63 A 0.40 V 0.40	number of poles for main current circuit	3
dependent overload release operating voltage • 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 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W Control circuit/ Control control supply voltage at DC • 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		0.45 0.63 A
● 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 500 V rated value ● at 690 V rated value ○ 250 W Control 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 Control 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 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 • 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	operating frequency rated value	50 60 Hz
• 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	operational current at AC-3 at 400 V rated value	0.6 A
at 500 V rated value at 690 V rated value 250 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	180 W
Control circuit/ Control control supply voltage at DC • rated value 24 V	• at 500 V rated value	180 W
control supply voltage at DC ● rated value 24 V	at 690 V rated value	250 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			
number of NO contacts for auxiliary contacts	1 2		
Protective and monitoring functions			
trip class	ASS 10		
design of the overload release	thermal (bimetallic)		
response value current of instantaneous short-circuit trip unit	8.19 A		
Short-circuit protection			
product function short circuit protection	8		
design of the short-circuit trip	gnetic		
conditional short-circuit current (Iq)			
 at 690 V according to IEC 60947-4-1 rated value 	0 000 A		
 at 400 V according to IEC 60947-4-1 rated value 	3 000 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	167.2 mm		
width	97.1 mm		
depth	1 mm		
required spacing			
for grounded parts — forwards	0		
— backwards	0 mm 0 mm		
— upwards	20 mm		
— at the side	9 mm		
— downwards	10 mm		
• for live parts			
— forwards	nm		
— 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







Marine / Shipping

Special Test Certificate

Test Certificates

Type Test Certificates/Test Report









Marine / Shipping other Railway Dangerous Good







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=3RA2115-0GA15-1BB4

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2115-0GA15-1BB4}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0GA15-1BB4

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

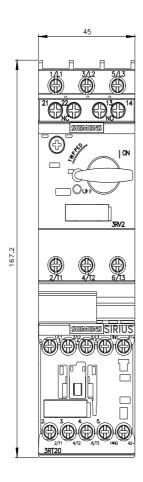
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0GA15-1BB4&lang=en

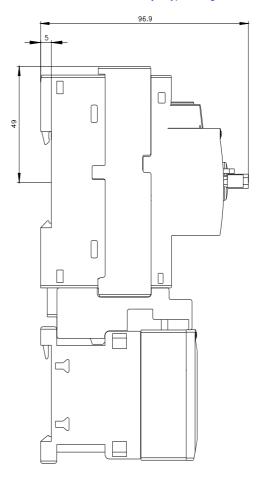
Characteristic: Tripping characteristics, I2t, Let-through current

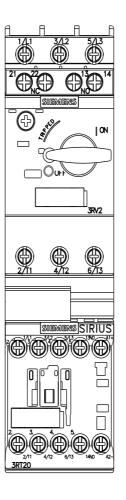
https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0GA15-1BB4/char

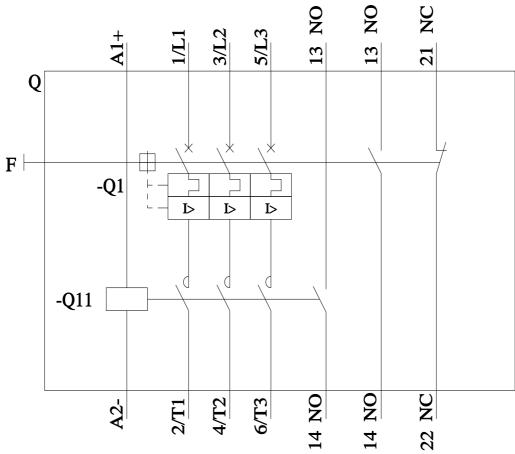
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0GA15-1BB4&objecttype=14&gridview=view1









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