## **SIEMENS**

## **Data sheet**

## 3RA2115-0CA15-1BB4



Fuseless motor starter Direct start 600VAC Size S00 0.18-0.25a 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 anufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied ink module 3RR2011-0CA15 of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of toad feeder so product extension auxiliary switch product extension auxiliary switch size of load feeder product extension auxiliary switch size of load feeder so operating voltage resistance rated value shock resistance according to IEC 60068-2-27 gg /1 Im mechanical service life (operating cycles) of contactor typical surge voltage resistance rated value during storage during storage during storage during storage during storage solutions anublent conditions anublent condi	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 speration user at AC-3 at 400 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-DCA15     of the supplied link module     saRA1921-1DA00  General technical data  size of the circuit-breaker     soo     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 60068-2-27	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  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	<ul> <li>of the supplied contactor</li> </ul>	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 operation frequency rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • rated value • at 690 V rated value • rated value	<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-0CA15
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  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 90 W  • at 690 V rated value 90 W  • at 690 V rated value 120 W  Control circuit/ Control  control supply voltage at DC  • rated value 90 W  • rated value 120 W  Control circuit/ Control  control supply voltage at DC  • rated value  • rated value  • rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  • rated value	<ul> <li>of the supplied link module</li> </ul>	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 prequency rated value  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 600 V rated value  at 600 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 -50+80 °C -50+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 690 V operating frequency rated value operational current at AC-3 at 400 V rated value at 500 V rated value	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 • at 690 V rated value 120 W Control circuit/ Control control supply voltage at DC • rated value 924 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 power at AC-3  at 400 V rated value at 400 V rated value at 600 V  at 600 V  at 600 V  operating power at AC-3  at 400 V rated value  operating to V rated value at 600 V vated value  operating to V rated value  operating to V rated value  at 400 V rated value  at 600 V vated value  operating frequency rated value  operating to V rated value  at 600 V vated value  at 600 V vated value  operation overload release  operating power at AC-3  at 400 V rated value  at 600 V vated value  operating frequency rated value  at 600 V vated value  at 600 V rated value  control supply voltage at DC  erated value  44 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 60 W  • at 500 V rated value 90 W  • at 690 V rated value 90 W  • at 690 V rated value 90 W  • at 690 V rated value 120 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 transport  • 20 +60 °C • during transport  -20 +60 °C • 55 +80 °C  Main circuit  1 3  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 690 V operating frequency rated value 00 A  operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	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 500 V rated value 90 W  • at 690 V rated value 90 W  • at 690 V rated value 120 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  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 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
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>-50 +80 °C</li> <li>during transport</li> <li>-55 +80 °C</li> </ul> Main circuit number of poles for main current circuit <ul> <li>design of the switching contact</li> <li>electromechanical</li> </ul> adjustable current response value current of the current-dependent overload release <ul> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operating frequency rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 600 V</li> </ul> Outled value <ul> <li>at 600 V</li> <li>at 600 W</li> <li>at 600 V</li> <li>at</li></ul>	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      • at 690 V rated value      • at 7500 V rated value      • at 690 V rated value      • a	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     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          • at 600 V rated value         • at 600 V rated value         • at 600 V rated value	<ul> <li>during operation</li> </ul>	-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 rated value	<ul><li>during storage</li></ul>	-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  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  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  120 W  Control circuit/ Control  control supply voltage at DC  • 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  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  120 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		0.18 0.25 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  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  operational c	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  120 W  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 60 W • at 500 V rated value 90 W • at 690 V rated value 120 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  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	90 W
control supply voltage at DC  ● rated value 24 V	at 690 V rated value	120 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	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	3.25 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
<ul> <li>at 690 V according to IEC 60947-4-1 rated value</li> </ul>	100 000 A
<ul> <li>at 400 V according to IEC 60947-4-1 rated value</li> </ul>	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	167.2 mm
width	45 mm
depth	97.1 mm
required spacing	
for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
<ul><li>— at the side</li><li>— downwards</li></ul>	9 mm 10 mm
for live parts	10 111111
— 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



EAC







Test Certificates Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









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/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=3RA2115-0CA15-1BB4

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2115-0CA15-1BB4}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0CA15-1BB4

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

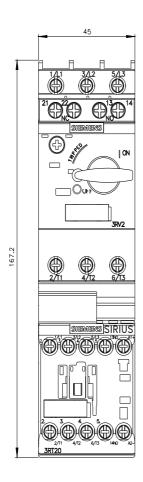
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2115-0CA15-1BB4&lang=en

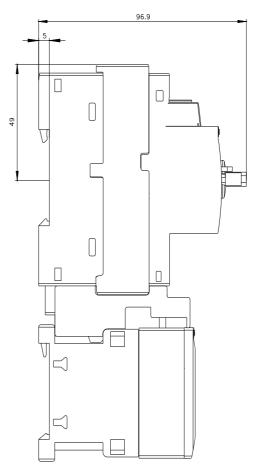
Characteristic: Tripping characteristics, I2t, Let-through current

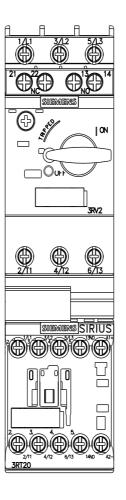
https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0CA15-1BB4/char

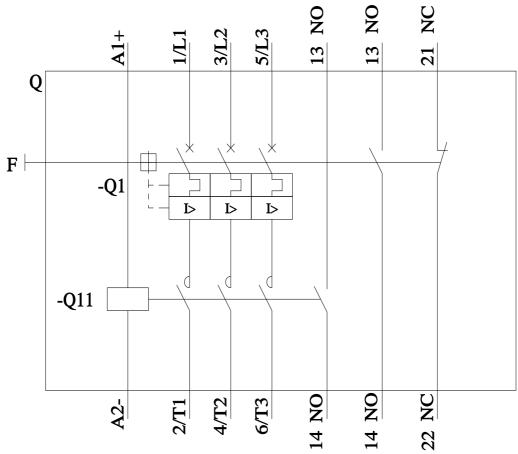
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0CA15-1BB4&objecttype=14&gridview=view1









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