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 | 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 | 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 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 | of the supplied circuit-breakers | 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 | 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 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 |
| 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 600 V Outled value at 600 V at 600 W at 600 V at | 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 | 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 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 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) | |
| 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 | 167.2 mm |
| width | 45 mm |
| depth | 97.1 mm |
| required spacing | |
| for grounded parts | |
| — forwards | 0 mm |
| — backwards | 0 mm |
| — upwards | 20 mm |
| — at the side— downwards | 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







<u>Confirmation</u> <u>Vi</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=3RA2115-0CA15-1BB4

Cax online generator

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

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, ...)

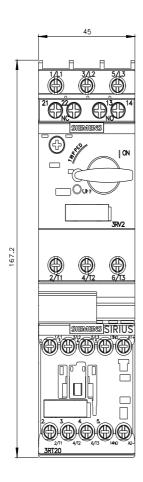
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0CA15-1BB4&lang=en

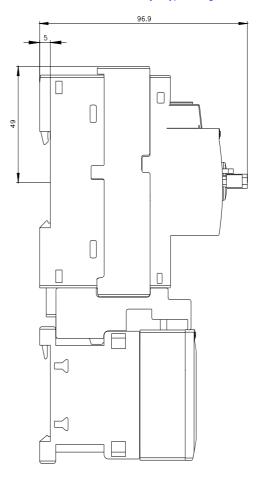
Characteristic: Tripping characteristics, I2t, Let-through current

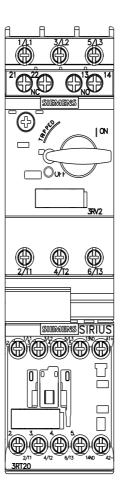
https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0CA15-1BB4/char

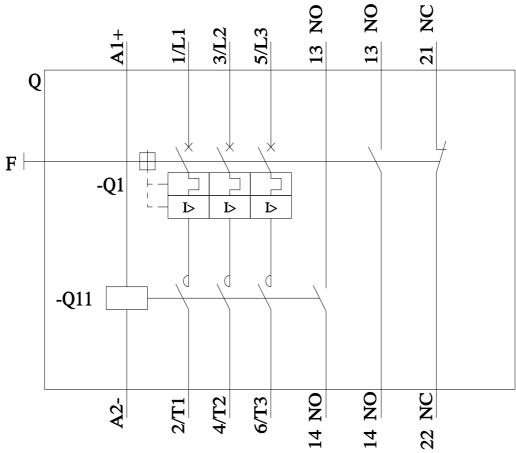
Further characteristics (e.g. electrical endurance, switching frequency)

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









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