3RA2210-0EA15-2AK6

Data sheet



FUSELESS LOAD FEEDER REVERSING OPERATION, 400 V AC, S00 0.28 TO 0.40 A 3K W, 110/120 V AC 50/60 HZ SCREW TERMINAL FOR STANDARD RAIL MOUNTING, TYPE OF COORDINATION 2, IQ = 150 KA (ALSO FULFILLS TYPE OF COORDINATION 1) 1NC (CONTACTOR)

| product designation design of the product reversing starter of the supplied contactor of the supplied contactor of the supplied circuit-breakers of the supplied incuit-breakers of the supplied directive the design of the supplied line would gazal 1-DA00 Ceneral technical data size of toad feeder product extension auxiliary switch risulation voltage with degree of pollution 3 at AC rated value of gene of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 fig / 11 ms mechanical service life (operating cycles) of contactor typical substance Prohibitance (Data) 10/01/2009 Ambient conditions ambient temperature during operation during storage during transport 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 repearating voltage operating requency rated value operating power at AC-3 operating frequency rated value operating power at AC-3 at 400 V rated value 20 W control circuit Control control supply voltage at AC out for supply voltage at AC out of the value at AC | product brand name | SIRIUS |
|--|---|-----------------------------|
| manufacturer's article number of the supplied contactor of the supplied inclut-breakers of the supplied link module 3RA1921-1DA00 General technical data size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker S00 size of load feeder S00 product extension auxiliary switch risulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value 6kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 0000 000 type of assignment 2 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature during sprage during storage during storage during transport 5-50 +80 °C during transport 5-50 +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 at AC-3 rated value at AC-3 rated value at AC-3 at 400 V rated value 90 W at 600 V rated value | product designation | non-fused load feeders 3RA2 |
| of the supplied contactor of the supplied circuit-breakers of the supplied ink module sarayout_DEATU 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 60088-2.27 66 /11 ms mechanical service life (operating cycles) of contactor typical 10/01/2009 Ambient conditions Ambient conditions ambient temperature during operation during storage during transport solution turner ticrcuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value at AC-3 at 400 V rated value 120 W control supply voltage at AC | design of the product | reversing starter |
| of the supplied circuit-breakers of the supplied link module agRA1921-1DA00 Ceneral technical data size of the circuit-breaker size of load feeder 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 68V shock resistance according to IEC 60068-2-27 69 / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Dato) Ambient conditions ambient temperature • during operation • during storage • during transport All oricruit 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 • at AC-3 rated value • at AC-3 rated value • at 400 V rated value • at 600 V rated value | manufacturer's article number | |
| of the supplied link module Second technical data size of the circuit-breaker size of toad feeder product extension auxiliary switch substance Production at AC rated value shock resistance according to IEC 60088-227 product extension auxiliary switch production and auxiliary switch production and auxiliary switch production and auxiliary switch production auxiliary sw | of the supplied contactor | 3RT2015-1AK62 |
| size of the circuit-breaker | of the supplied circuit-breakers | 3RV2011-0EA10 |
| 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 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +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 690 V operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 600 V rated value | of the supplied link module | 3RA1921-1DA00 |
| size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value 60 kV shock resistance according to IEC 60088-2-27 mechanical service life (operating cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) 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 electromechanical adjustable current response value current of the current-dependent overload release operating voltage e at AC-3 rated value maximum 690 V operating frequency rated value operating power at AC-3 e at 400 V rated value 120 W e at 500 V rated value 2 at 690 V rated value 3 at 690 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 Substance Prohibitance (Date) Anbient conditions ambient temperature during operation during storage during transport -50 +80 °C during transport -50 +80 °C design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value maximum operation at AC-3 at 400 V rated value at 400 V rated value at 600 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 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C Main circuit 1 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 90 W ot at 500 V rated value 90 W ot at 500 V rated value 120 W Control supply voltage at AC | size of load feeder | S00 |
| 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 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +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 operating power at AC-3 • at 400 V rated value 90 W • at 500 V V rated value 90 W • at 500 V V rated value 120 W • at 600 V Tated value 120 W • Control circuit/ Control control supply voltage at AC | 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 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +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 90 W • at 500 V rated value 90 W • at 500 V rated value 120 W control circuit/ Control control supply voltage at AC | insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport 3 mumber 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 90 W • at 500 V rated value 90 W • at 500 V rated value 120 W Control circuit/ Control control supply voltage at AC | degree of pollution | 3 |
| mechanical service life (operating cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C • 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 690 V V rated value • at 690 V v rated value • at 690 V rated value | surge voltage resistance rated value | 6 kV |
| type of assignment 2 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +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 operating power at AC-3 • at 400 V rated value 90 W • at 690 V rated value 120 W Control circuit/ Control control supply voltage at AC | shock resistance according to IEC 60068-2-27 | 6g / 11 ms |
| Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C • 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 500 V rated value • at 690 V • at 690 V operating power at AC-3 • at 400 V rated value 120 W control circuit/ Control control supply voltage at AC | mechanical service life (operating cycles) of contactor typical | 30 000 000 |
| ambient temperature • during operation • during storage • during transport -50 +80 °C • 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 500 V rated value • at 690 V • at 690 V operating power at AC-3 • at 400 V rated value 120 W control circuit/ Control control supply voltage at AC | type of assignment | 2 |
| ambient temperature • during operation • during storage • during transport -50 +80 °C • 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 500 V rated value • at 690 V • at 690 V rated value Operating power at AC-3 • at 400 V rated 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 | Substance Prohibitance (Date) | 10/01/2009 |
| 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 690 V Operating power at AC-3 at 400 V rated value at 500 V rated value at 690 V rated value | Ambient conditions | |
| • during storage • during transport • during transport rout 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 Operating power at AC-3 • at 400 V rated value • at 690 V rated value Operating power at AC-3 • at 400 V rated value Operating power at AC-3 • at 400 V rated value Operating frequency rated value Operating power at AC-3 Operating power at AC- | ambient temperature | |
| during transport | 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 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 vated value 120 W Control circuit/ Control control supply voltage at AC | 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 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 690 V vated value 120 W Control circuit/ Control control supply voltage at AC | during transport | -50 +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 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 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 AC | 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 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 • at 690 V Control circuit/ Control control supply voltage at AC | 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 AC | 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 • at 400 V rated value • at 500 V rated value • at 690 V rated value | | 0.28 0.4 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 oat 400 V rated value at 500 V rated value at 690 V control circuit/ Control control supply voltage at AC 690 V 50 60 Hz 0.3 A 90 W 90 W 120 W 120 W | operating voltage | |
| operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 operating pow | 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 AC | 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 120 W Control circuit/ Control control supply voltage at AC | operating frequency rated value | 50 60 Hz |
| at 400 V rated value at 500 V rated value at 690 V rated value 120 W Control circuit/ Control control supply voltage at AC | operational current at AC-3 at 400 V rated value | 0.3 A |
| at 500 V rated value at 690 V rated value 120 W Control circuit/ Control control supply voltage at AC | operating power at AC-3 | |
| at 690 V rated value Control circuit/ Control control supply voltage at AC | • at 400 V rated value | 90 W |
| Control circuit/ Control control supply voltage at AC | at 500 V rated value | 120 W |
| control supply voltage at AC | at 690 V rated value | 120 W |
| | Control circuit/ Control | |
| • at 50 Hz rated value 110 V | control supply voltage at AC | |
| | • at 50 Hz rated value | 110 V |

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| at 60 Hz rated value | 120 V |
|---|--|
| apparent holding power of magnet coil at AC | 4.2 VA |
| Protective and monitoring functions | 4.2 471 |
| trip class | CLASS 10 |
| design of the overload release | thermal (bimetallic) |
| response value current of instantaneous short-circuit trip unit | 5.2 A |
| Short-circuit protection | 0.2 A |
| product function short circuit protection | Yes |
| design of the short-circuit trip | magnetic |
| conditional short-circuit current (Ig) | magnetic |
| • 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 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 at 500 V according to IEC 60947-4-1 rated value | 100 000 A |
| | 100 000 A |
| Installation/ mounting/ dimensions | |
| mounting position | vertical |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail |
| height | 170 mm |
| width | 90 mm |
| depth | 97.1 mm |
| required spacing | |
| for grounded parts— forwards | 0 mm |
| — lorwards — backwards | 0 mm |
| | 20 mm |
| — upwards | |
| — at the side | 9 mm |
| — downwards | 10 mm |
| • for live parts | 0 |
| — forwards | 0 mm |
| — backwards | 0 mm |
| — upwards | 20 mm |
| — downwards | 10 mm |
| — at the side | 9 mm |
| Connections/ Terminals | |
| type of electrical connection for main current circuit | screw-type terminals |
| type of connectable conductor cross-sections for main contacts stranded | 0.5 4 mm², 2x (0.75 2.5 mm²) |
| connectable conductor cross-section for main contacts finely stranded with core end processing | 0.5 2.5 mm ² |
| 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











Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping other Railway







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=3RA2210-0EA15-2AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0EA15-2AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0EA15-2AK6

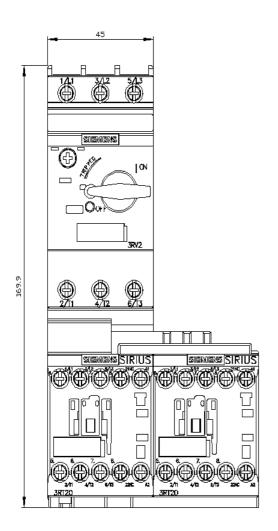
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0EA15-2AK6&lang=en

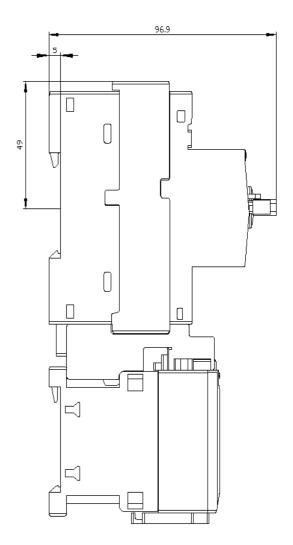
Characteristic: Tripping characteristics, I2t, Let-through current

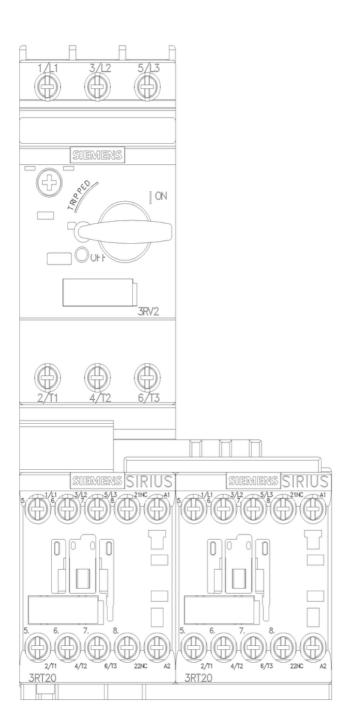
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0EA15-2AK6/char

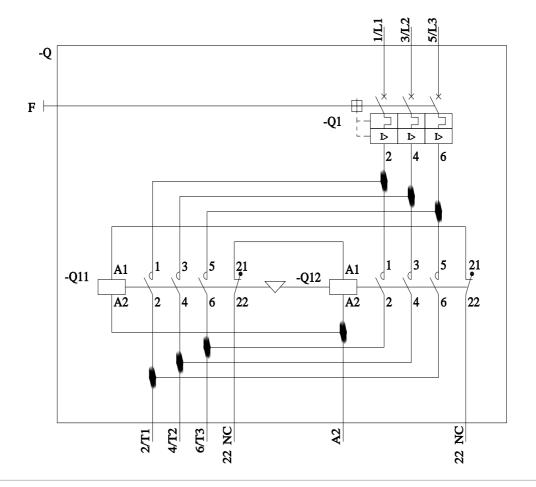
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0EA15-2AK6&objecttype=14&gridview=view1









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