3RA2210-0DA15-2AK6

Data sheet



FUSELESS LOAD FEEDER REVERSING OPERATION, 400 V AC, S00 0.22 TO 0.32 A 3 KW, 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 manufacturer's article number of the supplied contactor of the supplied contactor of the supplied incruit-breakers of the supplied link module size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of toad feeder size of toad feeder size of toad feeder so product extension auxiliary switch Insulation voltage with degree of pollution 3 at AC rated value of egree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 gg / 11 ms mechanical service life (operating cycles) of contactor typical substance Prohibitance (Date) 100.01/2009 Ambient conditions ambient temperature during operation during storage during uransport Main circuit number of poles for main current circuit design of the switching contact equivalent current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value operating frequency rated value operating frequency rated value operating frequency rated value at 500 V rated value	product brand name	SIRIUS
manufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied link module 3RAI921-1DA00 General technical data 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 6kW 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) Ambient conditions ambient temperature during operation during storage during transport -50 +60 °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 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 at 600 V rated value 90 W outper of supply voltage at AC	product designation	non-fused load feeders 3RA2
of the supplied contactor of the supplied circuit-breakers of the supplied ink module search supplied ink module search supplied ink module search supplied ink module 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 surge voltage resistance rated value shock resistance according to IEC 60088-2.27 mechanical service life (operating cycles) of contactor typical shock resistance according to IEC 60088-2.27 mechanical service life (operating cycles) of contactor typical surge voltage resistance (Date) Ambient conditions Ambient conditions Ambient conditions Audit during operation during operation during storage during itransport deduring of the switching contact adjustable current response value current of the current-dependent overload release operating of the switching contact adjustable current response value current of the current-dependent overload release operating frequency rated value operating frequency rated value operating power at AC-3 at 400 V rated value at 4500 V rated value at 6500	design of the product	reversing starter
of the supplied circuit-breakers of the supplied link module agaA1921-1DA00 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 degree of pollution surge voltage resistance according to IEC 60068-2-27 deg /11 ms mechanical service life (operating cycles) of contactor typical subsignment 2 substance Prohibitance (Dato) Ambient conditions ambient temperature during operation during storage 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 val	manufacturer's article number	
of the supplied link module Son Salza of the circuit-breaker Son	 of the supplied contactor 	3RT2015-1AK62
Solition	 of the supplied circuit-breakers 	3RV2011-0DA10
size of the circuit-breaker S00 size of load feeder S00 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value 690 V degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °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 • a tade 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 rated value 90 W • at 690 V rated value 90 W	 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 dependent overload release operating voltage at aC-3 rated value maximum 690 V operating power at AC-3 at 400 V rated value operating power at AC-3 at 490 V rated value at 690 V at 690 V at 690 V operating power at AC-3 at 490 V rated value 90 W at 690 V rated value 90 W control circuit/ Control control supply voltage at AC	General technical data	
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 60068-2-27 6g / 11 ms 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 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 of trade value at AC-3 rated value maximum operation at AC-3 at 400 V rated value at 600 V rated value 90 W at 600 V rated value at 600 V rated value 90 W control circuit/ Control control supply voltage at AC	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 120 W Control circuit/ Control 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 Tated value 90 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 55 60 Hz operational current at AC-3 at 400 V rated value 90 W • at 500 V rated value 90 W • at 600 V rated value 90 W	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	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 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 • at 690 V rated value • at 690 V rated value operational current at AC-3 at 400 V rated value operational current 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 -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 acurrent 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 operating power at AC-3 • at 400 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 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 Operating frequency value • at 690 V rated value Operating power at AC-3 • at 400 V rated value Operating for the value Operating power at AC-3 • at 400 V rated value Operating for the value Operating for the value Operating power at AC-3 • at 400 V rated value Operating for the value Operating power at AC-3 • at 400 V rated value Operating for the value Operating power at AC-3 • at 400 V rated value Operating for the value Operating for t	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 **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 500 V rated value • at 690 V 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 • at 6	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 rated value 90 W • at 690 V rated 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 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 operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current value operational	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 500 V rated value • at 690 V rated value • at 690 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value operating power at AC-3 • at 400 V rated value operating power at AC-3 • at 400 V rated value operating power at AC-3 • at 400 V rated value operating power at AC-3 operating power at AC-3 • at 400 V rated value operating power at AC-3 operati	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		0.22 0.32 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 ot at 400 V rated value at 500 V rated value at 690 V ot at 690 V Control circuit/ Control control supply voltage at AC	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 • at 690 V rated value 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 at 690 V rated value 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	90 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

0151110

at 60 Hz rated value	120 V	
apparent holding power of magnet coil at AC	4.2 VA	
Protective and monitoring functions		
trip class	CLASS 10	
design of the overload release	thermal (bimetallic)	
response value current of instantaneous short-circuit trip unit	4.16 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	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	
— backwards	0 mm	
— upwards	20 mm	
— at the side	9 mm	
— downwards	10 mm	
• for live parts		
— 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=3RA2210-0DA15-2AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0DA15-2AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0DA15-2AK6

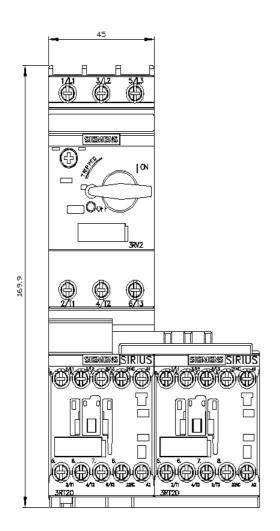
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-0DA15-2AK6&lang=en

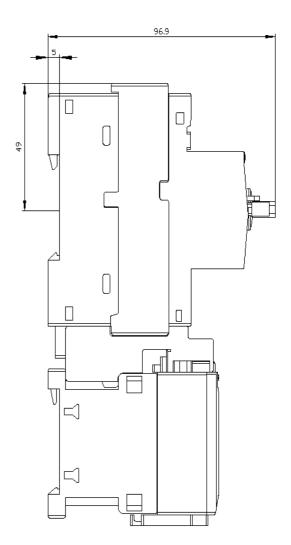
Characteristic: Tripping characteristics, I2t, Let-through current

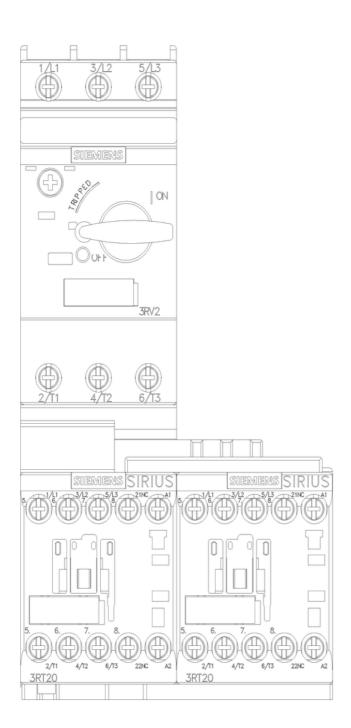
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0DA15-2AK6/char

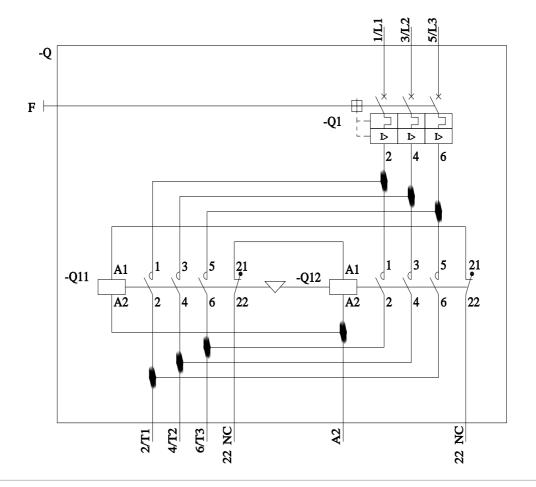
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0DA15-2AK6&objecttype=14&gridview=view1









last modified: 11/21/2022 🖸