Data sheet

3RA2110-1DA15-1BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 2.20...3.20 A 24 V DC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor)

product designation design of the product for standard rail or screw mounting product type designation spread type designation spread type designation spread type designation of the supplied contactor of the supplied contactor of the supplied contactor of the supplied link module spread technical data size of the circuit-breaker size of	product brand name	SIRIUS
design of the product product type designation 3RA21 manufacturer's article number of the supplied contactor 3RT2015-1BB41 agr2011-1DA10 of the supplied circuit-breakers agr2011-1DA10 size of the supplied link module Size of the circuit-breaker size of the circuit-breaker size of load feeder Size of load feeder size of load feeder at AC in hot operating state per pole without load current share typical insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60088-2-27 mechanical service life (operating cycles) of contactor typical type of protection nEMA rating shock resistance according to ATEX directive 2014/34/EU pyre of sulfability according to ATEX directive 2014/34/EU purference code according to IEC 81346-2:2019 Questioner Prohibitance (Date) Ambient conditions ambient temperature during torage during torage during torage during transport eduring transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit 3 design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage a rated value at AC-3 rated value maximum eduring storage a rated value at AC-3 rated value maximum for standard rall or starcer wounting starcer same mounting starcer same mo	·	Direct (on-line) starter
product type designation manufacturer's article number of the supplied contactor of the supplied circuit-breakers of the supplied link module 3RA1921-1DA10 3RA1921-1DA00 General technical data size of the circuit-breaker size of the supplied circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the supplied circuit-breaker size of the circuit-breaker size of the supplied circuit-breaker size of the switching contact adjustable current response value current of the current-dependent overfload release operating voltage a rated value maximum size of the suribing contact size of the switching contact size of the switch		
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of the supplied link module General technical data size of the circuit-breaker size of toad feeder power loss [W] for rated value of the current	of the supplied contactor	3RT2015-1BB41
of the supplied link module General technical data size of the circuit-breaker size of toad feeder power loss [W] for rated value of the current	of the supplied circuit-breakers	3RV2011-1DA10
size of the circuit-breaker size of load feeder power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical without load current load load without load current load load with load with load without load with load	of the supplied link module	3RA1921-1DA00
size of load feeder power loss [W] for rated value of the current at AC in hot operating state per pole without load current share typical insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 680 V surge voltage 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 type of protection according to ATEX directive 2014/34/EU reference ode according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) Ambient conditions ambient temperature 4 during operation 20 +60 °C 4 during storage 50 +80 °C 4 during transport 50 +80 °C 70 +80 °C 71 +80 °C 72 +60 °C 73 +60 °C 74 +60 °C 75 +60 °C 76 +60 °C 76 +60 °C 77 +60 °C 78 +60 °C 79 +60 °C 70 +60 °C 70 +60 °C 71 +60 °C 72 +60 °C 73 +60 °C 74 +60 °C 75 +60 °C 76 +60 °C 76 +60 °C 77 +60 °C 78 +60 °C 79 +60 °C 80 +60 °C 80 +60 °C 80 +60 °C 80 V 80 V 80 V	General technical data	
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without load current share typical 4 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other 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 type of protection according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q 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 temperature compensation -20 +60 °C temperature compensation -20 +60 °C temperature triple trip	power loss [W] for rated value of the current	
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surge voltage resistance rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to IEC 81346-2:2019 Q Substance Prohibitance (Date) Ambient conditions ambient temperature	 without load current share typical 	4 W
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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 type of protection according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions ambient temperature	surge voltage resistance rated value	6 kV
mechanical service life (operating cycles) of contactor typical type of assignment 2 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU post of protection according to EC 81346-2:2019 Qubrale Conditions ambient conditions ambient temperature	degree of protection NEMA rating	other
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certificate of suitability according to ATEX directive 2014/34/EU reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) Ambient conditions ambient temperature	type of assignment	2
reference code according to IEC 81346-2:2019 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport • during transport • during transport • -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 10/01/2009 10/01/2009 20 +60 °C -20 +60 °	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport • 20 +60 °C temperature compensation • 20 +60 °C relative humidity during operation 10 95 % 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 • rated value • at AC-3 rated value maximum 10/01/2009	certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Ambient conditions ambient temperature • during operation • during storage • during transport • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % 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 690 V	reference code according to IEC 81346-2:2019	Q
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■ during transport	during operation	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 % 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 • at AC-3 rated value maximum -20 +60 °C 10 95 % electromechanical 2.2 3.2 A 690 V	during storage	-50 +80 °C
relative humidity during operation 10 95 % 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 • at AC-3 rated value maximum 10 95 % 8 8 8 9 8 9 8 9 9 9 9 9 9	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 690 V	temperature compensation	-20 +60 °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 design of the switching contact electromechanical 2.2 3.2 A 690 V	relative humidity during operation	10 95 %
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 electromechanical 2.2 3.2 A 690 V	Main circuit	
adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum 2.2 3.2 A 690 V	number of poles for main current circuit	3
dependent overload release operating voltage • rated value 690 V • at AC-3 rated value maximum 690 V	design of the switching contact	electromechanical
 rated value at AC-3 rated value maximum 690 V 690 V 		2.2 3.2 A
• at AC-3 rated value maximum 690 V	operating voltage	
	rated value	690 V
• at AC-3e rated value maximum 690 V	 at AC-3 rated value maximum 	690 V
	 at AC-3e rated value maximum 	690 V

encycling frequency rated value	E0 60 Hz
operating frequency rated value	50 60 Hz
operational current	2.2.4
at AC-3 at 400 V rated value	3.2 A
at AC-3e at 400 V rated value	3.2 A
operating power	
• at AC-3	
— at 400 V rated value	1 100 W
• at AC-3e	
— at 400 V rated value	1 100 kW
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
rated value	24 24 V
holding power of magnet coil at DC	4 W
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	42 A
UL/CSA ratings	72.1
full-load current (FLA) for 3-phase AC motor	2.2.4
at 480 V rated value at 600 V rated value	3.2 A
at 600 V rated value	3.2 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.12 hp
— at 230 V rated value	0.33 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	0.75 hp
— at 220/230 V rated value	1 hp
— at 460/480 V rated value	2 hp
— at 575/600 V rated value	3 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
 at 400 V according to IEC 60947-4-1 rated value 	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	167 mm
width	45 mm
depth	97 mm
required spacing	
• for grounded parts	
— forwards	20 mm
— lorwards — backwards	0 mm
— upwards	50 mm
— at the side	20 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	20 mm
Connections/ Terminals	
type of electrical connection	

 for main current circuit 	screw-type terminals
 for auxiliary and control circuit 	screw-type terminals
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 %
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
protocol is supported	
 PROFINET IO protocol 	No
PROFIsafe protocol	No
protocol is supported AS-Interface protocol	No
Certificates/ approvals	

General Product Approval

For use in hazardous locations

Declaration of Conformity

Confirmation











Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping

other

Railway

Dangerous Good







Confirmation

Vibration and Shock

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2110-1DA15-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1DA15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1DA15-1BB4

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

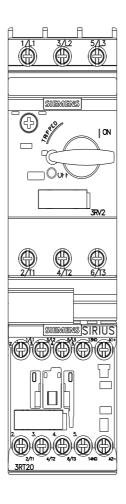
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1DA15-1BB4&lang=en

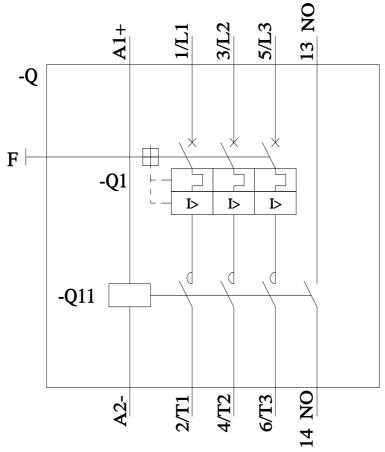
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1DA15-1BB4/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1DA15-1BB4&objecttype=14&gridview=view1





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