SIEMENS

Data sheet

3RA2210-1AE15-2BB4



Load feeder fuseless, Reversing duty 400 V AC, Size S00 1.10...1.60 A 24 V DC Spring-type terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NC (contactor)

size of the circuit-breakerS00size of load feederS00power loss [W] for rated value of the currentS00• at AC in hot operating state per pole2.6 W• without load current share typical4 Winsulation voltage with degree of pollution 3 at AC rated value690 Vsurge voltage resistance rated value6 kVdegree of protection NEMA ratingothershock resistance according to IEC 60068-2-276g / 11 msmechanical service life (operating cycles) of contactor typical30 000 000type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 02 ATEX F 001reference code according to IEC 81346-2:2019QSubstance Prohibitance (Date)10/01/2009SVHC substance nameBlei - 7439-92-1mbient temperature-20 +60 °C• during operation-20 +60 °C• during transport-50 +80 °C• during transport-20 +60 °C• during trans		
design of the product for standard rail or screw mounting product type designation SRA22 anuffacture?* article number SR12015-28B42 • of the supplied contactor SR2011-1AA20 • of the supplied inclubreakers SR20211-1AA20 • of the circul-breaker S00 size of to directure breaker S00 power loss [W] for rated value of the current - • it AC in hot operating state per pole 2.6 W • without load current share typical 4 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance according to EC 60068-2-27 6g/11 ms mechanical service life (operating cycles) of contactor typical 3000000 type of protection NEMA rating other shock resistance according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 cefference code according to ETEX directive 2014/34/EU DMT 02 ATEX F 001 cefference code according to ETEX directive 2014/34/EU DMT 02 ATEX F 001 substance Prohibitance (Date) 1001/2009 SVHC substance name Biel -7439-92-1 mblent conditions -50400 °C - during straspet -50400 °C - during straspet -50400 °C - during straspet -50400 °C -	product brand name	SIRIUS
product type designation 3RA22 manufacturer's article number 3R12015.28B42 • of the supplied cronit-breakers 3RV2011-1AA20 • of the supplied intw module 3RA2811.2AA00 ethe supplied intw module 3RA2811.2AA00 size of the circuit-breaker S00 size of the circuit-breaker S00 size of the circuit-breaker S00 et A C in to operating state per pole 2.6 W • 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 690 V degree of protection NEMA rating other shock resistance according to IEC 60068-2.27 Gg /11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of protection according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Dato) 1001/2009 SVHC substance name 100 'C outing storage -50 +60 'C • during storage <	product designation	Reversing starter
minufacture's article number SRT2015-28B42 • of the supplied circuit-breakers 3RV2011-1AA20 • of the supplied link module 3RV2011-1AA20 • of the circuit-breaker S00 size of the circuit-breaker S00 without load current share typical 4 W insulation voltage with degree of pollution 3 at AC rated value 690 V sock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of protection according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of protection according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of protection according to IEC 81346-3:2019 Q Substance Prohibitance (Dato) 100/12009 S	design of the product	for standard rail or screw mounting
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	manufacturer's article number	
• of the supplied link module 3RA2911-2AA00 eneral technical data size of the circuit-breaker s00 size of the dreder S00 ower loss (W) for rated value of the current • at AC in hot operating state per pole 2.6 W • without load current share typical 4W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 6 kV degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 69 /11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 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 61346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 Subtance name Bei - 7439-92-11 mbient temperature -60 °C • during operation -20 +60 °C • during tarsport -50 +60 °C • during tarsport -60 °C relative humidit	 of the supplied contactor 	<u>3RT2015-2BB42</u>
Ameral technical data size of the circuit-breaker S00 size of load feeder S00 power loss [W] for rated value of the current • at AC in hot operating state per pole 2.6 W • 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 protection according to ATEX directive 2014/34/EU Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU Ex II (2) GD gubstance Prohibitance (Date) 1001/2009 Substance Prohibitance (Date) 1001/2009 Substance Prohibitance (Date) -40 °C • during operation -20 +60 °C	 of the supplied circuit-breakers 	<u>3RV2011-1AA20</u>
size of the circuit-breaker S00 size of load feeder S00 power loss [W] for rated value of the current	 of the supplied link module 	<u>3RA2911-2AA00</u>
size of load feeder S00 power loss [W] for rated value of the current • at AC in hot operating state per pole 2.6 W • 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 64V degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g /1 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 EC 81346-2:2019 Q Substance Prohibitance (Date) 100/12009 Substance name Biel - 7439-92-1 mblent conditions -20 +60 °C - during operation -20 +60 °C - during operation -20 +60 °C - during transport 20 +60 °C - during transport -20 +60 °C	General technical data	
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Construction Mathematical and the service of protection NEMA rating other shock resistance according to IEC 60068-2-27 6g / 11 ms 30 000 000 type of assignment 2 2 type of assignment 2 Ex II (2) GD certificate of suitability according to ATEX directive 2014/34/EU EX II (2) GD DMT 02 ATEX F 001 certificate of suitability according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 C reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 Imbient conditions Imbient conditions Imbient conditions ambient temperature -20 +60 °C -60 +60 °C Imbient conditions -50 +60 °C Imbient conditions Imbient conditicos Imbient conditions	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 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 SVHC substance name Blei - 7439-92-1 mbient conditions -20 +60 °C • during operation -20 +60 °C • during torage -50 +80 °C • during torage -50 +60 °C • during torage -20 +60 °C • during torage -50 +80 °C • during torage -20 +60 °C • during torage -20 +60 °C • during torage -20 +60 °C • during torage -50 +80 °C • during torage -20 +60 °C • during torage ot tore during torage -20 +60 °C • during torage ot tore during torage -20 +60 °C • during torage ot tore du	surge voltage resistance rated value	6 kV
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Arror of potection 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 SVHC substance name Blei - 7439-92-1 mbient conditions - ambient temperature - • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C • during operation -20 +60 °C • during transport -50 +80 °C • during operation -20 +60 °C • during operation -20 +60 °C • during transport -50 +80 °C • during operation -20 +60 °C • during operation -20 +60 °C • during transport -20 +60 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % tain circuit 3 design of the switching contact electromechanical adjustable current response value current of the current- electromechanical<	mechanical service life (operating cycles) of contactor typical	30 000 000
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 SVHC substance name Blei - 7439-92-1 mbient conditions -20 +60 °C e during operation -20 +60 °C e during storage -50 +80 °C e during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation -20 +60 °C e during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % tain circuit 3 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 1.1 1.6 A operating voltage • rated value 690 V	type of assignment	2
reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 imbient conditions	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 ambient conditions	certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
SVHC substance name Blei - 7439-92-1 Ambient conditions Blei - 7439-92-1 ambient temperature - • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C • during transport -20 +60 °C • during operation 10 95 % fain circuit 3 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 1.1 1.6 A operating voltage • rated value 690 V	reference code according to IEC 81346-2:2019	Q
ambient conditions ambient temperature • during operation • during storage • during storage • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % fain 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 1.1 1.6 A operating voltage 	Substance Prohibitance (Date)	10/01/2009
ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C • during transport -20 +60 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % fain circuit 3 design of the switching contact electromechanical adjustable current response value current of the current- dependent overload release 1.1 1.6 A operating voltage • rated value 690 V	SVHC substance name	Blei - 7439-92-1
• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °C• temperature compensation-20 +60 °Crelative humidity during operation10 95 %tain circuit3temper of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release11 1.6 Aoperating voltage • rated value690 V	Ambient conditions	
• during storage-50 +80 °C• during transport-50 +80 °C• during transport-50 +80 °Ctemperature compensation-20 +60 °Crelative humidity during operation10 95 %hain circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release1.1 1.6 Aoperating voltage • rated value690 V	ambient temperature	
• during transport-50 +80 °Ctemperature compensation-20 +60 °Crelative humidity during operation10 95 %fain circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release1.1 1.6 Aoperating voltage • rated value690 V	 during operation 	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 % fain circuit 3 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 1.1 1.6 A operating voltage 690 V	during storage	-50 +80 °C
relative humidity during operation 10 95 % fain circuit 3 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 1.1 1.6 A operating voltage 690 V	 during transport 	-50 +80 °C
fain circuit 3 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 1.1 1.6 A operating voltage 690 V	temperature compensation	-20 +60 °C
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 1.1 1.6 A operating voltage 690 V	relative humidity during operation	10 95 %
design of the switching contact electromechanical adjustable current response value current of the current- dependent overload release 1.1 1.6 A operating voltage 690 V	Main circuit	
adjustable current response value current of the current- dependent overload release 1.1 1.6 A operating voltage 690 V	number of poles for main current circuit	3
dependent overload release operating voltage • rated value 690 V	design of the switching contact	electromechanical
• rated value 690 V		1.1 1.6 A
	operating voltage	
• at AC-3 rated value maximum 690 V	rated value	690 V
	• at AC-3 rated value maximum	690 V

a at AC 2a rated value maximum	690 V
at AC-3e rated value maximum	50 60 Hz
operating frequency rated value operational current	50 60 H2
•	
at AC-3 at 400 V rated value	1.6 A
at AC-3e at 400 V rated value	1.6 A
operating power	
• at AC-3	550 W
— at 400 V rated value	550 W
• at AC-3e	FFO M
— at 400 V rated value Control circuit/ Control	550 W
	D0
type of voltage of the control supply voltage	DC
control supply voltage at DC	04.14
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	21 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1.6 A
at 600 V rated value	1.6 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	0.1 hp
 for 3-phase AC motor 	
— at 220/230 V rated value	0.5 hp
— at 460/480 V rated value	1 hp
— at 575/600 V rated value	1 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	204 mm
width	90 mm
depth	97 mm
required spacing	
 for grounded parts 	
— forwards	32 mm
— backwards	0 mm
— upwards	50 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	32 mm
— backwards	0 mm
— upwards	50 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
 for main current circuit 	spring-loaded terminals

 for auxiliary and of 	control circuit	s	spring-loaded terminals				
Safety related data							
proportion of dangero	us failures						
 with high demand 	d rate according to SN 319	920 7	73 %				
B10 value with high de	emand rate according to	SN 31920 1	000 000				
touch protection on the front according to IEC 60529		60529 fi	finger-safe, for vertical contact from the front				
Communication/ Protocol							
protocol is supported							
 PROFINET IO pr 	otocol	Ν	lo				
 PROFIsafe proto 	col	Ν	lo				
protocol is supported AS	S-Interface protocol	Ν	lo				
Approvals Certificates							
General Product Approval			For use in hazard- ous locations	Declaration of Conformity			
<u>Confirmation</u>		EAC	ATEX A	UK CA	CE EG-Konf.		
Test Certificates		Marine / Shipping					
Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	BUREAU VERITAS		Llovd's Register uis		
Marine / Shipping			other	Railway	Dangerous Good		
PRS	RINA		<u>Confirmation</u>	<u>Vibration and Shock</u>	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=3RA2210-1AE15-2BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1AE15-2BB4

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

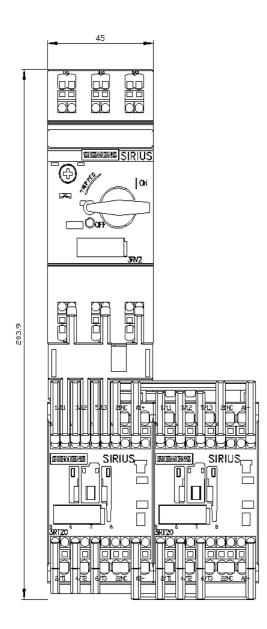
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1AE15-2BB4

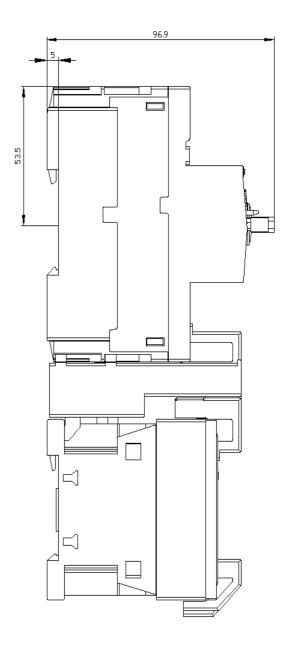
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-1AE15-2BB4&lang=en

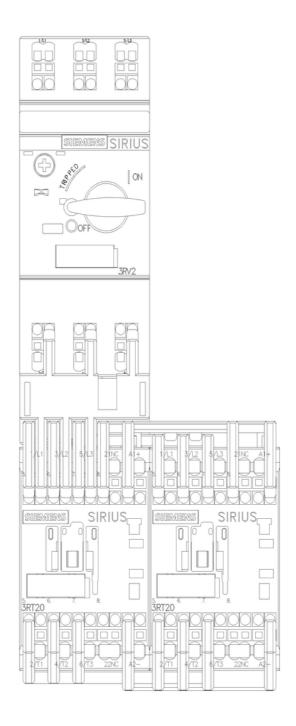
Characteristic: Tripping characteristics, I2t, Let-through current

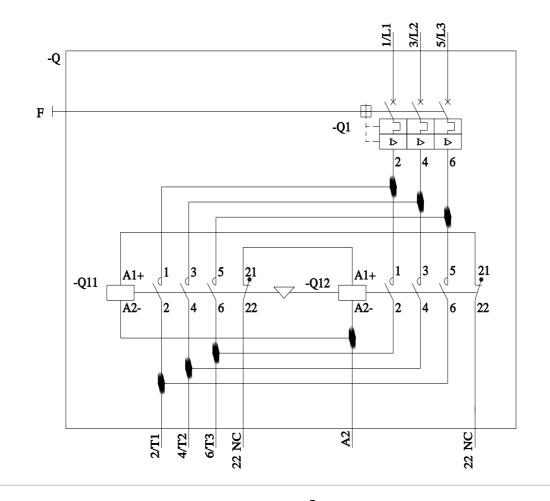
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1AE15-2BB4/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-1AE15-2BB4&objecttype=14&gridview=view1









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