SIEMENS

Data sheet

3RA2210-1AE15-2BB4



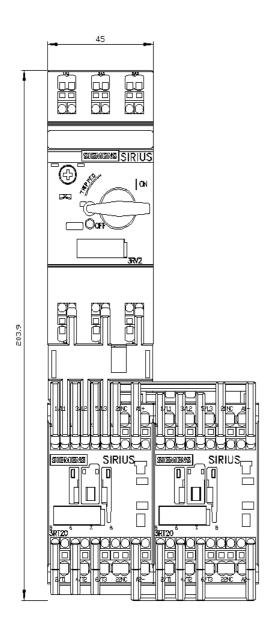
Load feeder fuseless, Reversing duty 400 V AC, Size S00 1.10...1.60 A 24 V DC Spring-type terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NC (contactor)

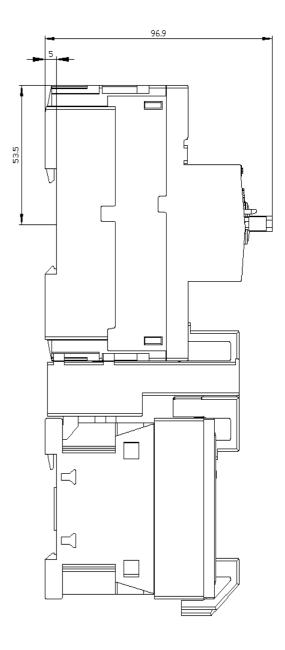
product brand name SIRUS product designation Reversing starter design of the product for standard rail or screw mounting product type designation 3RX2015-28B42 of the supplied contactor SRX2015-28B42 of the supplied inclub/breakers SRX2011-1AA20 size of the circul-breaker SRXX01-1AA20 size of the circul-breaker SRXX01-1AA20 size of the circul-breaker	A Constant of the second s	
design of the product for standard rail or screw mounting product type designation GRA22 manufacture* FRI2015-28B42 • of the supplied contactor SRI2015-28B42 • of the supplied ink module SRA2911-1AA20 • of the supplied ink module SRA2913-2AA2 Genoral technical data SRA2913-2AA2 gize of the circuit-breaker SRA2913-2AA2 eit and for indeperating state per pole 2.6 W • without bad current streat yalue 4W insulation votage with degree of poliction 3 at AC rated value 680 V degree of protection NEMA rating other streat of lat degree of poliction 3 at AC rated value 680 V degree of protection NEMA rating 30 000 000 type of assignment 2 reference code according to IEC 80346-2:2019 Q Stubstance Prohibitance (Date) 30 000 000 Styles substance name L	product brand name	SIRIUS
product type designation 3RA22 manufacture's article number sRT2015-28B42 • of the supplied circuit-breakers 3RX2011-1AA20 • of the supplied ink module 3RA211-2AA00 • of the supplied wing kit 3RA2013-2AA2 Ceneral technical data 500 size of the circuit-breaker 500 swithout toad current share typical 4W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 64V degree of protection NEMA rating other subck resistance according to IEC 60068-227 69/11 ms mechanical service life (operating voldes) contact trypical 30 000 00	product designation	Reversing starter
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• of the supplied wiring kit 3BA2913-2AA2 General technical dats size of taid feeder size of taid feeder S00 power loss [W] for rated value of the current 4W • 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 690 V surge voltage resistance rated value 64V 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 3000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q SUbstance Prohibitance (Date) 100/1/2009 SVHC substance name Lead - 7439-92-1 Weight 1.12 kg Ambient conditions -20 +60 °C • during storage -50 +80 °C • during storage -50 +80 °C • during operation -20 +60 °C relative humidity	 of the supplied circuit-breakers 	<u>3RV2011-1AA20</u>
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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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.12 kg Ambient conditions -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +60 °C temperature compensation -20 +60 °C • during transport -50 +60 °C temperature compensation -20 +60 °C • during transport -50 +60 °C temperature compensation -20 +60 °C • design of the switching contact electromechanical design of the switching contact ele	power loss [W] for rated value of the current	
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 69 / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.1 kg Ambient conditions - ambient temperature - • during operation -20 +60 °C • during transport -20 +60 °C •	 at AC in hot operating state per pole 	2.6 W
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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.12 kg Ambient conditions -20 +60 °C e during operation -20 +60 °C e during transport -50 +80 °C e during transport -20 +60 °C relative humidity during operation 10 95 % Main 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 680 V	 without load current share typical 	4 W
Image of protection NEMA rating other 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 reference code according to IEC 81346-2:2019 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.12 kg Ambient conditions -20 +60 °C e during operation -20 +60 °C e during storage -50 +80 °C e during transport -20 +60 °C relative humidity during operation 10 95 % Main circuit 3 design of the switching contact electromechanical adjustable current response value current of the current- electromechanical adjustable current response value current of the current- 690 V	insulation voltage with degree of pollution 3 at AC rated value	690 V
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Image: Product of the set o	mechanical service life (operating cycles) of contactor typical	30 000 000
Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Weight 1.12 kg Ambient conditions	type of assignment	2
SVHC substance name Lead - 7439-92-1 Weight 1.12 kg Ambient conditions	reference code according to IEC 81346-2:2019	Q
Weight 1.12 kg Ambient conditions	Substance Prohibitance (Date)	10/01/2009
Ambient conditions ambient temperature • during operation • during storage • during storage • during transport • c50 +80 °C • temperature compensation • c20 +60 °C temperature compensation • c20 +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- 1.1 1.6 A operating voltage 690 V	SVHC substance name	Lead - 7439-92-1
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• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °C• temperature compensation-20 +60 °Crelative humidity during operation10 95 %Main circuit3number 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 temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main 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	ambient temperature	
• during transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main 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 operation	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 % Main 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 % Main 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
Main 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 rated value 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 rated value 690 V 	Main circuit	
adjustable current response value current of the current- dependent overload release 1.1 1.6 A operating voltage rated value 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

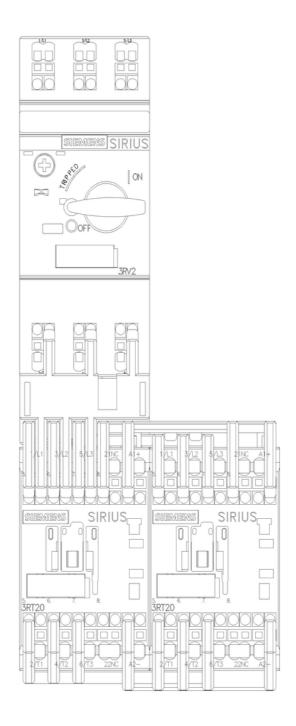
 at AC-3e rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current	
at AC-3 at 400 V rated value	1.6 A
• at AC-3e at 400 V rated value	1.6 A
operating power	
• at AC-3	
— at 400 V rated value	550 W
• at AC-3e	
— at 400 V rated value	550 W
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	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 10 mm
— downwards	
downwardsfor live parts	10 mm
 downwards for live parts forwards 	10 mm 32 mm
 downwards for live parts forwards backwards 	10 mm 32 mm 0 mm
 downwards for live parts forwards backwards upwards 	10 mm 32 mm 0 mm 50 mm
 downwards for live parts forwards backwards upwards downwards 	10 mm 32 mm 0 mm 50 mm 10 mm
 downwards for live parts forwards backwards upwards downwards at the side 	10 mm 32 mm 0 mm 50 mm 10 mm
 downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals	10 mm 32 mm 0 mm 50 mm 10 mm
 downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection	10 mm 32 mm 0 mm 50 mm 10 mm 10 mm
 downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit 	10 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm

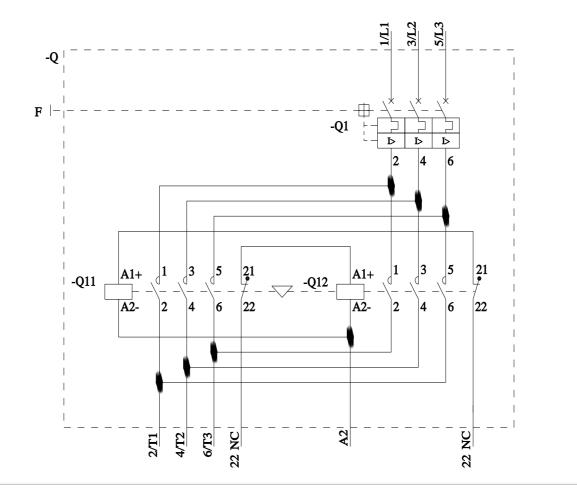
product function suitable f	or safety function	Ye	S			
Electrical Safety	for a for a second in a for UEO	60500		the formation of the second		
touch protection on the	-	60529 TIN	ger-safe, for vertical contac	ct from the front		
Communication/ Protocol		_				
protocol is supported	1	b.				
PROFINET IO prote		No				
PROFIsafe protoco		No				
protocol is supported AS-I Approvals Certificates	internace protocol	Nc)		_	
General Product Approv	val				For use in hazard- ous locations	
CE EG-Konf.	UK CA	<u>Confirmation</u>	(UL)	EHC	KEX ATEX	
Test Certificates		Marine / Shipping				
Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> ate	ABS	BUREAU VERITAS		Lloyd's Register urs	
Marine / Shipping			other	Railway	Dangerous goods	
PRS	RINA	RMRS RMRS	<u>Confirmation</u>	<u>Special Test Certific-</u> <u>ate</u>	Transport Information	
Environment						
Environmental Con- firmations						
Further information						
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	siemens.com/WW/CAX	order/default aspx?lan	g=en&mlfb=3RA2210-1AE	15-2BB4		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1AE15-2BB4						
	t images, 2D dimensio	on drawings, 3D mode	els, device circuit diagrar	ns, EPLAN macros,)		
Characteristic: Tripping https://support.industry.sie	characteristics, I2t, Le	t-through current				
Further characteristics (

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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