SIEMENS

Data sheet

3RA2110-1AA15-1BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 1.10...1.60 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 brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for standard rail or screw mounting
product type designation	3RA21
manufacturer's article number	
 of the supplied contactor 	<u>3RT2015-1BB41</u>
 of the supplied circuit-breakers 	<u>3RV2011-1AA10</u>
 of the supplied link module 	<u>3RA1921-1DA00</u>
General 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 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	0.656 kg
Ambient conditions	
ambient temperature	
during operation	-20 +60 °C
during storage	-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	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
• at AC-3 rated value maximum	690 V
 at AC-3e rated value maximum 	690 V

Operational current 000 Hz operational current 18.A • e1.K-3:a H 400 V rated value 18.A operating power 18.A • e1.K-3:a H 400 V rated value 90.W • e1.K-3:A H 400 V rated value 90.C • for indire particut of instantaneous intoricut trip unit 90.H • for indire particut of instantaneous intoricut trip unit 21.A • for indire particut of instantaneous intoricut trip unit 18.A • for indire particut of instantaneous intoricut trip unit 21.A • for inding partex AC motor 18.A <tr< th=""><th></th><th>50 00.11</th></tr<>		50 00.11				
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• at AC-2a at 400 V rated value 1.8 Å operating power 500 W • at AC-3a 500 W • at AC-3b 500 W • at AC-3a 500 W • at AC-3b 500 W • at AC-3a 500 W • at AC-3a 500 W • at AC-3b 500 W • at AC-3b 500 W • at AC-3b at the Action State DC 400 C Softwall creating and value 24 V bolding power of magnet coll at DC 400 C Available state and monitoring functions 100 A frip class CLASS 10 theread release at ther-circuit the function 100 A frip class CLASS 10 theread release at ther-circuit the function 100 A frip class CLASS 10 theread release at ther-circuit the function 100 A frip class CLASS 10 theread release at ther-circuit the function 100 A theread release at the Action or the Conter 100 A • at 400 V tated value 0.1 hp • at 400 V tated value 0.1 hp • at 400 V according to EC 600 AT-1 tated value 100 A instated and mounting domastor 100 A instated and mounting and 0.35 mm DM rall 100 A	•					
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	operating power					
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	— at 400 V rated value	550 W				
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- 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 Safety related data	product function short circuit protection design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — at the side — downwards • for live parts	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 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	product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — at the side — downwards • for live parts — forwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 mm 20 mm				
	product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards — backwards — backwards • for live parts — backwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 mm 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 screw-type terminals	product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards • for live parts — forwards — backwards — upwards • for live parts — upwards — upwards — upwards • for live parts — upwards — upwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 mm 50 mm 20 mm				
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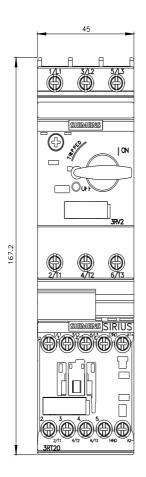
Electrical Safety						
touch protection on the front according to IEC 60529		C 60529 finge	finger-safe, for vertical contact from the front			
ommunication/ Protoco	bl					
protocol is supported						
 PROFINET IO pro 	otocol	No				
 PROFIsafe protoc 	ol	No				
protocol is supported AS	-Interface protocol	No				
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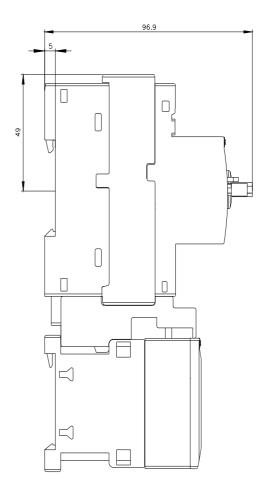
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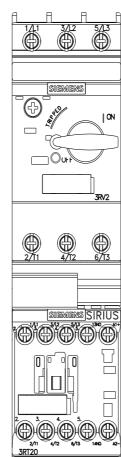
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1AA15-1BB4 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1AA15-1BB4&lang=en

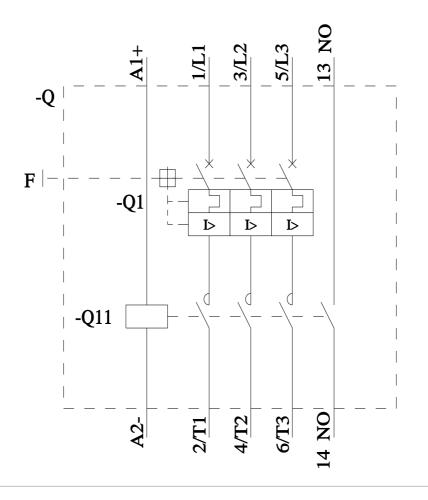
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1AA15-1BB4/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1AA15-1BB4&objecttype=14&gridview=view1









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6/4/2024 🖸