SIEMENS

Data sheet

3RA2110-1GE15-1BB4

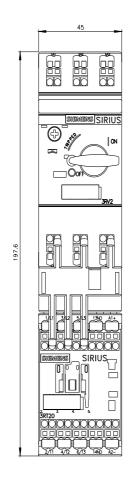


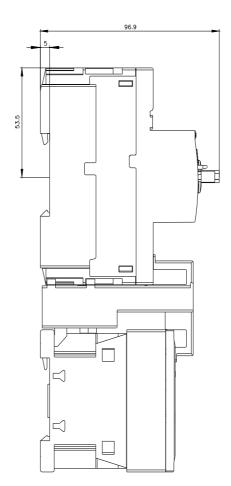
Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 4.50...6.30 A 24 V DC Spring-type terminal for installation on standard mounting rail Type of coordination 1, Iq = 150 kA 1 NO (contactor)

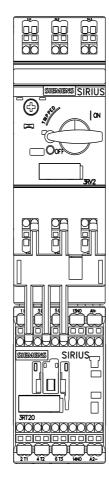
product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for standard rail or screw mounting
product type designation	3RA21
manufacturer's article number	
 of the supplied contactor 	<u>3RT2015-2BB41</u>
 of the supplied circuit-breakers 	<u>3RV2011-1GA20</u>
of the supplied link module	<u>3RA2911-2AA00</u>
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
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	1
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
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
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	4.5 6.3 A
operating voltage	
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	

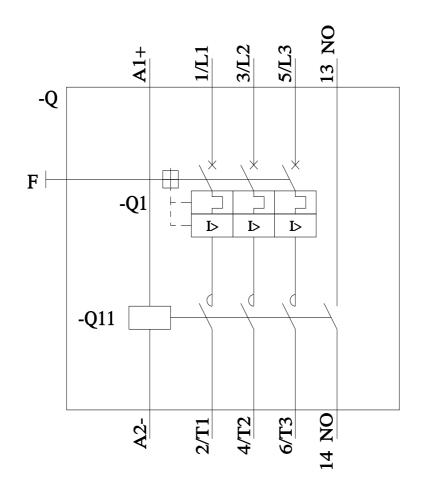
 at AC-3 at 400 V rated value 	4.9 A
 at AC-3e at 400 V rated value 	4.9 A
operating power	
• at AC-3	
— at 400 V rated value	2 200 W
• at AC-3e	
— at 400 V rated value	2 200 kW
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
 rated value 	24 24 V
holding power of magnet coil at DC	4 W
Auxiliary circuit	
	Vee
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	4.8 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 200/208 V rated value	1 hp
— at 220/230 V rated value	1.5 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 hp
Short-circuit protection	b
	Ver
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	450,000 A
• at 400 V according to IEC 60947-4-1 rated value	150 000 A
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	150 000 A
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position	150 000 A vertical
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position	vertical
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method	vertical screw and snap-on mounting onto 35 mm DIN rail
t at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm
t at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm
t at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm
t 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing o for grounded parts	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing of r grounded parts — forwards	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm 20 mm 0 mm 50 mm
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing ofor grounded parts — forwards — backwards	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm 20 mm 0 mm
the 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	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm 20 mm 0 mm 50 mm
 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 at the side 	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm
 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 at the side downwards 	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm
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 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 at the side downwards for live parts at the side backwards upwards at the side downwards for live parts at the side downwards at the side downwards for auxiliary and control circuit Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures 	vertical screw and snap-on mounting onto 35 mm DIN rail 198 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 mm 20 mm 10 mm 20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm
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Event Event 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 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- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system) Intus://mail.industry.siemens.com/wall/en/cAtalog/product?mlfb=3RA2110-1GE15-1BB4 Cax online generator http://www.siemens.com/WW/CAXorder/default aspx?lang=en&mlfb=3RA2110-1GE15-1BB4 Image database (product Images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/log/bid/cax_de.aspx?mlfb=3RA2110-1GE15-1BB4 Image database (product Images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/log/bid/cax_de.aspx?mlfb=3RA2110-1GE15-1BB4/Char Characteristics (F4_Let-through current Ittp://www.automation.siemens.			ABS	BUREAU VERITAS	Lloyd's Register uis	PRS		
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