SIEMENS

Data sheet



Load feeder fuseless, Reversing duty 400 V AC, Size S00 10.0...16.0 A 230 V AC screw terminal for installation on standard mounting rail Type of coordination 1, Iq = 150 kA 1 NC (contactor)

product designation design of the product for standard rail or screw mounting product type designation 3RA22 manufacturer's article number of the supplied contactor of the supplied contactor of the supplied directive breakers of the supplied link module 3RA1921-1DA00 Central technical data Size of the circuit-breaker size of load feeder spower 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 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 spechialce size of link provided to the current share size of link provided to the current shock resistance according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU preference code according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Quistance Prohibitance (Date) Ambient conditions ambient temperature during operation during storage during transport design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value maximum et at AC-3 rated value maximum	product brand name	SIRIUS
product type designation manufacturer's article number • of the supplied contactor • of the supplied circuit-breakers • of the supplied link module 3RA1921-1DA00 Ceneral technical data size of the circuit-breaker size of to de circuit-breaker size of to de circuit-breaker size of the circuit-breaker size of total feeder soo size of total feeder soo size of total feeder soo without load current share typical surge voitage resistance rated value soo surge voitage resistance rated value degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 fig /1 Ims mechanical service life (operating cycles) of contactor typical soo soo ooo ooo soo ooo ooo soo ooo ooo	product designation	Reversing starter
product type designation manufacturer's article number • of the supplied contactor • of the supplied circuit-breakers • of the supplied link module 3RA1921-1DA00 Ceneral technical data size of the circuit-breaker size of to de circuit-breaker size of to de circuit-breaker size of the circuit-breaker size of total feeder soo size of total feeder soo size of total feeder soo without load current share typical surge voitage resistance rated value soo surge voitage resistance rated value degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 fig /1 Ims mechanical service life (operating cycles) of contactor typical soo soo ooo ooo soo ooo ooo soo ooo ooo	design of the product	for standard rail or screw mounting
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of the supplied link module SRA1921-1DA00 Ceneral technical data size of the circuit-breaker size of the circuit-breaker 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 insulation voltage with degree of pollution 3 at AC rated value degree of protection NEMA rating shock resistance according to IEC 60068-2-27 gf /11 ms mechanical service life (operating cycles) of contactor typical type of assignment type of protection ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to IEC 81346-2:2019 Q Substance Prohibitance (Date) Ambient conditions ambient temperature during operation during storage during pranaport temperature compensation felative humidity during operation according to IEC 81346-2:2019 certificate of suitability according to IEC 81346-2:2019 Q Substance Prohibitance (Date) Ambient conditions ambient temperature during operation during storage during transport so uses 80°C defined current response value current of the current design of the switching contact design of the switching	of the supplied contactor	3RT2018-1AP02
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 • without load current share typical 5.7 W surge voltage resistance rated value 690 V surge voltage resistance rated value 660 V surge voltage resistance rated value 660 V degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 66 / 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 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code according to ATEX directive 2014/34/EU DMT 02 ATEX F 001 reference code acc	of the supplied circuit-breakers	3RV2011-4AA10
size of the circuit-breaker size of load feeder soo 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 890 V surge voltage resistance rated value 6 kV degree of protection NEMA rating shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 1 type of assignment 1 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU preference code according to IEC 81346-2:2019 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport temperature compensation -20 +60 °C -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 • at AC-3 rated value maximum 500 \$00 V	of the supplied link module	3RA1921-1DA00
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without load current share typical insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value degree of protection NEMA rating other shock resistance according to IEC 60068-2-27 feg / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 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) Ambient conditions ambient temperature • during operation • during storage • during transport • during transport	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 10 type of assignment 11 type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU pompore reference code according to IEC 81346-2:2019 Qu Substance Prohibitance (Date) Ambient conditions ambient temperature during operation during storage 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 design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage rated value rated value or at AC-3 rated value maximum	 without load current share typical 	5.7 W
degree of protection NEMA rating shock resistance according to IEC 60068-2-27 g/ 11 ms mechanical service life (operating cycles) of contactor typical type of assignment type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU 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) Ambient conditions ambient temperature	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 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 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 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 adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V • at AC-3 rated value maximum 690 V	surge voltage resistance rated value	6 kV
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reference code according to IEC 81346-2:2019 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport -50 +80 °C temperature compensation -20 +60 °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 16 A	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
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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 -20 +60 °C -20 +60 °C 10 95 % All of the current o	reference code according to IEC 81346-2:2019	Q
ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -50 +80 °C temperature compensation -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 • at AC-3 rated value maximum -20 +60 °C -50 +80 °C -50 +80 °C -50 +80 °C -50 +80 °C -50 +60 °C -10	Substance Prohibitance (Date)	10/01/2009
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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 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 -20 +60 °C 10 95 % electromechanical 10 16 A 690 V	during storage	-50 +80 °C
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 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 electromechanical 10 16 A 690 V	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 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 10 16 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 690 V	number of poles for main current circuit	3
dependent overload release operating voltage • rated value • 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 		10 16 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

operating frequency rated value	an austine fragman averted destroy	50 6011-
## AC-3 at 400 V rated value		00 00 HZ
* al AC-3e at 400 V rated value 16 A	·	40.4
Operating power		
## AC-3 — at 400 V rated value * at AC-3e — at 400 V rated value * 7 500 kW Control carciulity Control Uppe of voltage of the control supply voltage AC control supply voltage at AC * at 50 Hz rated value 230 V * at 60 Hz rated value 240 V * at 60 Hz rated value 250 V * at 60 Hz * at 6		16 A
		7 500 W
Control electric Control Type of Voltage of the control supply voltage * at 60 Hz rated value * at 60 Hz * at		
type of voltage of the control supply voltage control supply voltage at AC * 15 00 Hz rated value * 15 00 Hz *	30 100 1 1000	7 500 kW
Control supply voltage at AC		
■ 150 Hz. rated value ■ at 50 Hz. rated value ■ at 50 Hz. rated value ■ at 60 Hz. rated value ■ at 60 Hz. rated value ■ at 60 Hz. rated value ■ 230 230 V ■ at 60 Hz. rated value ■ 230 230 V ■ at 50 Hz ■ at 50 Hz ■ at 50 Hz ■ at 60 Hz ■ at 6		AC
• at 50 Hz rated value 230 230 V • at 60 Hz rated value 230 230 V apparent holding power of magnet coil at AC • at 60 Hz rated value 44 VA • at 60 Hz 44 VA inductive power factor with the holding power of the coil 0.25 • at 60 Hz 0.25 • at 60 Hz 0.25 Auxiliary circuit product extension auxiliary switch Yes Protective and monitoring functions trip class CLASS 10 design of the overload release 50 CLASS 10 turn of the current (FLA) for 3-phase AC motor 14 A A 14 A 14 A 14 A 14 A 14 A 14 A 1		0001
apparent holding power of magnet coil at AC		
• at 50 Hz		
• at 60 Hz		
inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.25 Auxiliary circuit product extension auxiliary switch Protective and monitoring functions trip class CLASS 10 design of the overload release response value current of instantaneous short-circuit trip unit ULICSA ratings full-load current (FLA) for 3-phase AC motor at 400 V rated value 11 A yielded mechanical performance (hp) of or single-phase AC motor —at 110/120 V rated value 1 hp —at 200/208 V rated value of 3-phase AC motor —at 200/208 V rated value 5 hp —at 200/208 V rated value 10 hp Short-circuit protection product function short circuit protection design of the short-circuit current (q) at 400 V according to lice 60947-4-1 rated value 150 000 A Installation/mounting/dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height of orgunded spacing of orgunded spa		
at 50 Hz		4.4 VA
Auxiliary circuit product extension auxiliary switch Probactive and monitoring functions trip class CLASS 10 design of the overload release thermal (kimetallic) response value current of instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor		
product extension auxiliary switch Protective and monitoring functions trip class Gesign of the overload release response value current of instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value i for single-phase AC motor • at 100 / 20 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • for 3-phase AC motor • at 200 / 208 V rated value • 5 pp • for 3-phase AC motor • at 200 / 208 V rated value • 5 pp • for 3-phase AC motor • at 460 / 400 V rated value • 5 pp • for 3-phase AC motor • at 460 / 400 V rated value • 5 pp • for 3-phase AC motor • at 460 / 400 V rated value • 5 pp • for 3-phase AC motor • at 460 / 400 V rated value • 5 pp • for single-phase AC motor • at 460 / 400 V rated value • for 3-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • at 460 / 400 V rated value • for single-phase AC motor • for s	● at 60 Hz	0.25
Protective and monitoring functions trip class CLASS 10 design of the overload release response value current of instantaneous short-circuit trip unit 208 A ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 11 A • at 60 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp • of or single-phase AC motor — at 110/120 V rated value 2 hp • of or single-phase AC motor — at 200/208 V rated value 3 hp — at 200/208 V rated value 5 hp — at 200/208 V rated value 10 hp Short-circuit protection product function short circuit protection 9 design of the short-circuit trip magnetic conditional short-circuit current (q) • 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 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — hockwards — abackwards — upwards — at the side 10 mm • for live parts	Auxiliary circuit	
trip class design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 208 A ULICSA ratings Tull-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value — at 11/1/20 V rated value — at 11/1/20 V rated value — at 230 V rated value • for 3-phase AC motor — at 11/1/20 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • 5 hp — at 460/480 V rated value • 5 hp — at 460/480 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • 5 hp — at 460/480 V rated value • 5 hp roduct function short circuit protection product function short circuit protection 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 vertical fastening method height 170 mm width 90 mm depth required spacing • for grounded parts — forwards — backwards — 0 mm - backwards — 0 mm - at the side — downwards — 10 mm 10 mm • for live parts	product extension auxiliary switch	Yes
design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit UICSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 230 V rated value — at 200/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — bip short-circuit protection product function short circuit protection Product function short circuit trip magnetic conditional short-circuit current (iq) • at 400 V according to IEC 60947-4-1 rated value fastening method screw and snap-on mounting onto 35 mm DIN rall height if or grounded parts — forwards — backwards — upwards — at the side — d-wnwards • for live parts	Protective and monitoring functions	
response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 460/480 V rated value — 10 hp Short-circuit protection product function short circuit trip magnetic conditional short-circuit current (q) • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation mounting / dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height width 90 mm fequired spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	trip class	CLASS 10
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 h • at 630 V rated value 1 h — at 230 V rated value 2 h • for 3-phase AC motor — at 200/208 V rated value 2 h • for 3-phase AC motor — at 200/208 V rated value 3 h — at 220/230 V rated value 5 h — at 220/230 V rated value 10 h — at 460/480 V rated value 10 h product function short circuit protection yes design of the short-circuit trip magnetic conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position yerical fastening method screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 99 mm required spacing • for grounded parts — forwards — backwards — upwards — backwards — upwards — at the side — downwards • for live parts	design of the overload release	thermal (bimetallic)
full-load current (FLA) for 3-phase AC motor at 480 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor —at 110/120 V rated value 1 hp —at 230 V rated value 1 hp —at 220/208 V rated value 5 hp —at 220/230 V rated value 3 hp —at 220/230 V rated value 5 hp —at 460/480 V rated value 1 hp Short-circuit protection product function short circuit protection design of the short-circuit current (lq) at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation mounting dimensions mounting position fastening method height 170 mm width 90 mm depth required spacing for grounded parts —forwards —backwards —backwards —upwards —at the side —downwards for live parts	response value current of instantaneous short-circuit trip unit	208 A
	UL/CSA ratings	
• at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp • for 3-phase AC motor — at 220/2208 V rated value 3 hp — at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection yes design of the short-circuit trip conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — backwards — upwards — at the side — downwards • for live parts	full-load current (FLA) for 3-phase AC motor	
yleIded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 9 for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp Short-circuit protection Product function short circuit protection sesign of the short-circuit trip magnetic conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — backwards — upwards — at the side — odownwards • for live parts	• at 480 V rated value	14 A
• for single-phase AC motor — at 1101/20 V rated value — at 230 V rated value 9 tor 3-phase AC motor — at 200/208 V rated value 9 for 3-phase AC motor — at 220/230 V rated value 9 to phase AC motor — at 220/230 V rated value 9 to phase — at 460/480 V rated value 10 hp Short-circuit protection Product function short circuit protection design of the short-circuit trip conditional 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 screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — backwards — upwards — at the side — downwards • for live parts	• at 600 V rated value	11 A
• for single-phase AC motor — at 1101/20 V rated value — at 230 V rated value 9 tor 3-phase AC motor — at 200/208 V rated value 9 for 3-phase AC motor — at 220/230 V rated value 9 to phase AC motor — at 220/230 V rated value 9 to phase — at 460/480 V rated value 10 hp Short-circuit protection Product function short circuit protection design of the short-circuit trip conditional 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 screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — backwards — upwards — at the side — downwards • for live parts	yielded mechanical performance [hp]	
- at 230 V rated value 2 hp • for 3-phase AC motor 3 hpase AC motor - at 220/230 V rated value 5 hp - at 420/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection yes product function short circuit protection		
- at 230 V rated value 2 hp • for 3-phase AC motor 3 hp ase AC motor - at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection yes design of the short-circuit trip magnetic conditional short-circuit turip mounting short-circuit turip at 4400 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 170 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 • for live parts	— at 110/120 V rated value	1 hp
• for 3-phase AC motor — at 220/208 V rated value 3 hp — at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit current (lq) • 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 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — backwards — upwards — at the side — at the side — downwards • for live parts	— at 230 V rated value	2 hp
- at 200/208 V rated value		
- at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit current (lq) • 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 170 mm width 90 mm depth 97 mm required spacing • for grounded parts - backwards - backwards - upwards - at the side - downwards - downwards • for live parts	•	3 hp
— at 460/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts • for live parts		
Short-circuit protection product function short circuit protection design of the short-circuit trip and at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position fastening method height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts		·
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 vertical fastening method screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — at the side — downwards • for live parts		
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 screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts		Yes
conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height 170 mm width 90 mm depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	<u> </u>	
• at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts • for live parts		·
Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — downwards • for live parts		150 000 A
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail 170 mm width 90 mm depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts		
fastening method screw and snap-on mounting onto 35 mm DIN rail 170 mm width 90 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts • for live parts		vertical
height 170 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		
width 90 mm depth 97 mm required spacing		
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		
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		
 for grounded parts forwards backwards upwards upwards at the side downwards for live parts 	·	or iiiii
— forwards 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm ● for live parts	· · · · · · · · · · · · · · · · · · ·	
 — backwards — upwards — at the side — downwards ● for live parts 0 mm 10 mm 10 mm		32 mm
 — upwards — at the side — downwards • for live parts 50 mm 10 mm 10 mm		
 — at the side — downwards • for live parts 10 mm 10 mm		
— downwards● for live parts	•	
• for live parts		
		10 mm
— torwards 32 mm		
	— 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	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 hazard- ous locations Declaration of Conformity

Confirmation











Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping

other Railway







Confirmation

Vibration and Shock

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=3RA2210-4AA18-2AP0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-4AA18-2AP0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-4AA18-2AP0

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

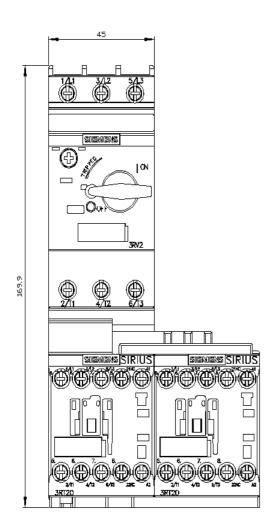
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-4AA18-2AP0&lang=en

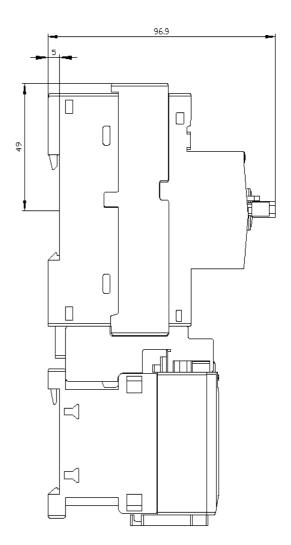
Characteristic: Tripping characteristics, I2t, Let-through current

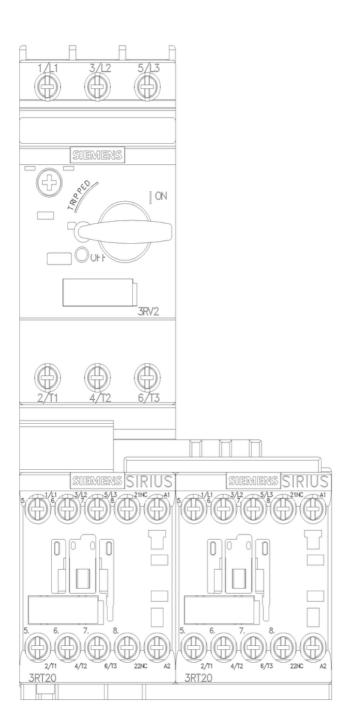
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-4AA18-2AP0/char

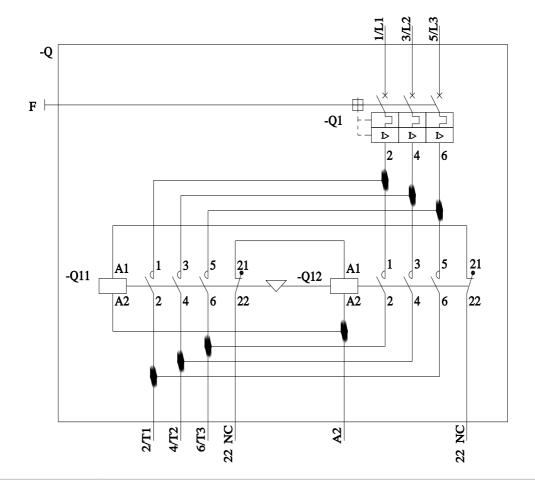
Further characteristics (e.g. electrical endurance, switching frequency)

 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RA2210-4AA18-2AP0\&objecttype=14\&gridview=view1}$









last modified: 4/18/2023 🖸