3RA2220-1FB24-0AP0

Data sheet



Load feeder fuseless, Reversing duty 400 V AC, Size S0 3.50...5.00 A 230 V AC screw terminal for installation on standard mounting rail with standard mounting rail adapter (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO+1 NC (contactor)

product brand name	SIRIUS		
product designation	Reversing starter		
design of the product	for standard rail or screw mounting		
product type designation	3RA22		
manufacturer's article number			
 of the supplied contactor 	3RT2024-1AP00		
 of the supplied circuit-breakers 	3RV2011-1FA10		
 of the supplied RH assembly kit 	3RA2923-1BB1		
 of the supplied link module 	3RA2921-1AA00		
 of the supplied standard mounting rail adapter 	3RA2922-1AA00		
General technical data			
size of the circuit-breaker	S00		
size of load feeder	S0		
power loss [W] for rated value of the current			
 at AC in hot operating state per pole 	2.7 W		
without load current share typical	7.6 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	10 000 000		
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		
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	3.5 5 A		
operating voltage			

		000 \		
• at AC-Se reted value maximum	• rated value	690 V		
Specialized frequency rated value				
operational current at ACS 3 at 400 V rated value 5 A operating power at ACS 3 at 400 V rated value 5 A operating power at ACO 3 at 400 V rated value 1 500 W at ACO 3 at 400 V rated value 1 500 W control circuit Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 230 V at 50 Hz rated value 230 V supply voltage at AC at 50 Hz rated value 230 V supply voltage at AC at 50 Hz rated value 230 V supply voltage at AC at 50 Hz rated value 240 V rated value 250 V voltage at AC v. 6 VA supply voltage at AC v. 6 VA supply voltage at AC v. 6 VA supply voltage at AC v. 6 VA v. 7 VA v. 6				
	operating frequency rated value	50 60 Hz		
e at AC-2e at 400 V rated value operating power - at 400 V rated value - at 50 Hz rated value - at 200 V rated value - at 200 V rated value - at 200 V rated value - at 50 Hz rated value - at	•			
operating power at AC-36 and 400 V rated value 1 500 W at AC-36 and 400 V rated value 1 500 W control circuit Control type of voltage of the control supply voltage control supply voltage at AC at 80 V rated value 2 30 V at 80 V rated value at 80 V rated value 2 30 V apparent holding power of magnet coil at AC at 80 V rated value at 80 V rated value at 80 V rated value broduct extension auxiliary switch Yes ClaSS 10 design of the overload release tresponse value current of instantaneous short-circuit trip unit LUCSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 80 V rated value broduction and value of 5 A station of V rated value at 80 V rated value at 80 V rated value broduction and value at 80 V rated value broduction and rated value at 80 V rated value broduction short-circuit current (to) at 80 V rated value broduction short-circuit current (value at 80 V rated value 5 by broductional short-circuit current (value at 80 V rated value 5 by broductional production of 80 C 60847-41 rated value broduction short-circuit current (value at 80 V rated value 5 by conditional short-circuit current (value at 80 V rated value 5 by at 80 V rated value 5 by broductional short-circuit current (value at 80 V rated value 5 by at 80 V rated value 5 by at 80 V rated value 5 by broductional short-circuit current (value at 80 V rated value 5 by conditional short-circuit current (value at 80 V rated value 5 by conditional short-circuit current (value 6 V rated	 at AC-3 at 400 V rated value 	5 A		
at AC-3	at AC-3e at 400 V rated value	5 A		
at AC-3e at 4C-3v acted value at AC-3e at 400 V rated value 1 500 W Control circuit Control Type of votage of the control supply votage at 50 Hz rated value but 50 Hz control supply votage at AC at 50 Hz at 50 Hz rated value but 50 Hz control supply votage at AC at 50 Hz control supply votage at AC control supply votage at AC control supply votage at AC at 50 Hz control supply votage at AC control supply	operating power			
at AC-3e	• at AC-3			
1500 W 1	— at 400 V rated value	1 500 W		
Control circuit/ Control Type of voltage of the control supply voltage of voltage of the control supply voltage at 50 Hz rated value at 50 Hz rated value 230 230 V apparent holding power of magnet coil at AC at 50 Hz at 50 Hz at 50 Hz voltage and monitoring threations ricuitative power factor with the holding power of the coil at 50 Hz voltage and monitoring functions ricuitative product extension auxiliary switch Protective and monitoring functions trip class CLASS 10 design of the overload rolesse response value current of instantaneous short-circuit trip unit ULCSS Aratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 5 A at 480 V rated value 5 A yielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value — at 2200 V rated value 1.5 hp — at 220028 V rated value 1.5 hp — at 220028 V rated value 1.5 hp — at 220029 V rated value 5 hp Short-circuit protection product function short circuit protection gesign of the short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value fastening method height voltage and short-circuit current (tq) at 400 V according to IEC 60947-4-1 rated value for grounded parts - forwards - forwards 4 for live parts 10 mm 10 mm	• at AC-3e			
type of voltage of the control supply voltage control supply voltage at AC	— at 400 V rated value	1 500 W		
control supply voltage at AC • 15 0 Hz rated value 230 V apparent holding power of magnet coil at AC • 15 0 Hz inductive power factor with the holding power of the coil • 15 0 Hz inductive power factor with the holding power of the coil • 15 0 Hz inductive power factor with the holding power of the coil • 15 0 Hz volue to 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 ULCSA ratings full-load current (FLA) for 3-phase AC motor • 14 600 V rated value • 14 600 V rated value • 15 A • 15 Np • 16 single-phase AC motor — at 2002 V rated value • 15 hp — at 2002 V rated value • 15 hp — at 2002 V rated value • 15 hp — at 2002 V rated value • 15 hp — at 2002 V rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 15 hp — at 48004 or rated value • 10 mm rounting position fastening method height vinth • 10 mm rounded spacing • for grounded parts — (orwards — upwards — or many and space on mounting on 35 mm DIN rail height • for wards — upwards — on many and space on mounting on 35 mm DIN rail • for low pards	Control circuit/ Control			
	type of voltage of the control supply voltage	AC		
* at 50 Hz rated value 230 230 V apparent holding power of magnet coil at AC 7.6 VA * at 50 Hz 7.6 VA inductive power factor with the holding power of the coil 0.25 * at 50 Hz 0.25 Auxiliary circuit product extension auxiliary switch Yes Protective and monitoring functions trip class dosign of the overload release them instantaneous short-circuit trip unit **ULOSA ratings** full-load current (FLA) for 3-phase AC motor * at 460 V rated value 5 A * at 600 V rated value 5 A * at 600 V rated value 5 A * at 200 V rated value 0.5 hp * of single-phase AC motor - at 1101/20 V rated value 0.5 hp * at 220/230 V rated value 1.5 hp - at 220/230 V rated value 3 hp - at 220/230 V rated value 3 hp - at 575/600 V rated value 3 hp - at 460/48 to V rated value 3 hp - at 575/600 V rated value 3 hp - at 600/40 V rated value 3 hp - at 575/600 V rated value 3 hp - at 75/600 V rated value 3 hp - at 75/600 V rated value 3 hp - at 75/600 V rated value 5 hp - at 600/40 V rated value 3 hp - at 75/600 V rated value 3 hp - at 75/600 V rated value 3 hp - at 75/600 V rated value 5 hp - at 75/600 V rated value 5 hp - at 200/230 V rated value 3 hp - at 400/480 V rated value 4 hp - at 400/480 V rated value 4 hp - at 200/230 V r	control supply voltage at AC			
apparent holding power of magnet coil at AC at 50 Hz 7.6 VA inductive power factor with the holding power of the coil at 50 Hz Arxillary circuit Product extension auxiliary switch Yes Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit ULGSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 5 A at 600 V rated value 5 A at 600 V rated value 65 A yielded mechanical performance (hp) for single-phase AC motor at 200 V rated value 65 A 1.5 hp at 200 V rated value 1.5 hp at 200 V rated value 1.5 hp at 200 V rated value 5 hp 4 color 3 hpase AC motor at 200 V rated value 5 hp 6 for 3-phase AC motor at 200 V rated value 5 hp 6 for shiple-phase AC motor 4 to 400 V rated value 5 hp 6 for shiple-phase AC motor 4 to 400 V rated value 5 hp 6 for shiple-phase AC motor 4 to 400 V rated value 5 hp 6 for shiple-phase AC motor 4 to 400 V rated value 5 hp 6 for shiple-phase AC motor 4 to 400 V rated value 5 hp 6 for shiple-phase AC motor 4 to 500 V rated value 5 hp 7 to 400 V rated value 7 to 500 V rated value 7 to 500 V rated value 7 to 500 V rated value 7 to 600 V rated value 7 to	• at 50 Hz rated value	230 V		
a st 50 Hz	at 50 Hz rated value	230 230 V		
Inductive power factor with the holding power of the coil at 150 Hz Auxillary clrucit product extension auxiliary switch Protective and monitoring functions trip class design of the overload release tresponse value current of instantaneous short-circuit trip unit ULGSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 5 A vielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 5 A viriled mechanical performance (hp) for 3-phase AC motor — at 200/208 V rated value 5 A 1.5 hp 1.5 hp - at 200/208 V rated value 1.5 hp - at 200/208 V rated value 5 A short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit trip conditional short-circuit trip conditional short-circuit current (q) * at 400 V according to IEC 6947-4-1 rated value for nadepter for screw and snap-on mounting on 35 mm DIN rail deight vertical required spacing * for grounded parts — forwards — at the side — downwards • for live parts • for live parts	apparent holding power of magnet coil at AC	7.6 VA		
austinary 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 ULCSA 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 1101/120 V rated value • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/200 V rated value • for 3-phase AC motor — at 200/200 V rated value • for 3-phase AC motor — at 200/200 V rated value • for 3-phase AC motor — at 200/200 V rated value • for 3-phase AC motor — at 480/480 V rated value • for 3-phase AC motor — at 480/480 V rated value • for 3-phase AC motor — at 200/200 V rated value • for 3-phase AC motor — at 480/480 V rated value • for 3-phase AC motor — at 480/480 V rated value • for 3-phase AC motor — at 480/480 V rated value • for 3-phase AC motor — at 480/480 V rated value • for proucetion Product function short circuit protection yes design of the short-circuit current (q) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position vertical fastening method On adapter for screw and snap-on mounting on 35 mm DIN rail height • for grounded parts • for grounded parts • for grounded parts • for grounded parts • for wards • at the side — downwards • for live parts	• at 50 Hz	7.6 VA		
Auxiliary circuit product extension auxillary switch Protective and monitoring functions trip class design of the overload release trip class current of instantaneous short-circuit trip unit des A ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for 3-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/209 V rated value — at 200/209 V rated value — at 200/209 V rated value — 1.5 hp — at 200/209 V rated value — at 2575/600 V rated value — at 480/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 480/480 V rated value — at 480/480 V rated value — at 480/480 V rated value — at 575/600 V rated value — at 480/480 V rated value — at 575/600 V rated value — at 480/480 V rated value — at 575/600 V rated value — at 480/480 V rated value	inductive power factor with the holding power of the coil	0.25		
product extension auxiliary switch Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit ULGSA 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 • of single-phase AC motor • at 11/10/20 V rated value • of 11/10/20 V rated value • of 11/10/20 V rated value • of 29-phase AC motor • at 200/208 V rated value • of 11/10/20 V rated value • of 3-phase AC motor • at 200/208 V rated value • of 3-phase AC motor • at 200/208 V rated value • of 3-phase AC motor • at 200/208 V rated value • 1.5 hp • at 200/208 V rated value • 1.5 hp • at 460/400 V rated value • 5 hp 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 fastening method On adapter for screw and snap-on mounting on 35 mm DIN rail height width 90 mm depth required spacing • for grounded parts - forwards - backwards - backwards - upwards - of mine parts	• at 50 Hz	0.25		
trip class CLASS 10 design of the overload release response value current of instantaneous short-circuit trip unit ULCSA ratings full-dad current (FLA) for 3-phase AC motor • at 1480 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 shapes AC motor — at 1230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 220/230 V rated value • for shapes AC motor — at 400/450 V rated value • for short-circuit protection product function short circuit protection design of the short-circuit trip magnetic conditional short-circuit trip conditional short-circuit current ((n) • at 400 V according to IEC 60947-4-1 rated value fastening method On adapter for screw and snap-on mounting on 35 mm DIN rall height vidth depth 120 mm required spacing • for grounded parts — forwards — backwards — backwards — ourwards — of mice parts • for live parts	Auxiliary circuit			
CLASS 10	product extension auxiliary switch	Yes		
design of the overload release response value current of instantaneous short-circuit trip unit ### ULUCSA ratings Full-load current (FLA) for 3-phase AC motor at 480 V rated value	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 460 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 220 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 • 1.5 hp — at 200/208 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value — at 575/600 V rated value	trip class	CLASS 10		
Full-load current (FLA) for 3-phase AC motor • at 480 V rated value	design of the overload release	thermal (bimetallic)		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	response value current of instantaneous short-circuit trip unit	65 A		
• at 480 V rated value	UL/CSA ratings			
■ at 600 V rated value 5 A	full-load current (FLA) for 3-phase AC motor			
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.25 hp • for 3-phase AC motor — at 2200/208 V rated value 1.5 hp — at 220/230 V rated value 1.5 hp — at 275/600 V rated value 3 hp — at 575/600 V rated value 5 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 265 mm vidth 90 mm depth 120 mm required spacing • for grounded parts — forwards — at the side — at words • for live parts	at 480 V rated value	5 A		
• for single-phase AC motor — at 1101/120 V rated value — at 230 V rated value 0.5 hp • for 3-phase AC motor — at 220/208 V rated value 1.5 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 product function short circuit protection design 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 On adapter for screw and snap-on mounting on 35 mm DIN rail height vidth 90 mm depth required spacing • for grounded parts — forwards — at the side — at the side — downwards • for live parts	at 600 V rated value	5 A		
• for single-phase AC motor — at 1101/120 V rated value — at 230 V rated value 0.5 hp • for 3-phase AC motor — at 220/208 V rated value 1.5 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 product function short circuit protection design of the short-circuit trip magnetic conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value fastening method 0 n adapter for screw and snap-on mounting on 35 mm DIN rail height yidth 90 mm depth required spacing • for grounded parts — forwards — at the side — at the side — downwards • for live parts	yielded mechanical performance [hp]			
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 480/480 V rated value - at 575/600 V rated value 5 hp 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 265 mm width 90 mm depth 120 mm required spacing • for grounded parts - fowards - upwards - at the side - downwards • for live parts	for single-phase AC motor			
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 480/480 V rated value - at 480/480 V rated value - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit trip • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height 265 mm width 90 mm depth 120 mm required spacing • for grounded parts - fowards - backwards - upwards - at the side - downwards • for live parts	— at 110/120 V rated value	0.25 hp		
for 3-phase AC motor — at 200/208 V rated value	— at 230 V rated value	0.5 hp		
- at 200/208 V rated value 1.5 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 5 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 On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 mm required spacing • for grounded parts - forwards 32 mm - upwards 50 mm - at the side 10 mm • for live parts	• for 3-phase AC motor			
- at 220/230 V rated value 1.5 hp 3 hp - at 460/480 V rated value 5 hp Short-circuit protection Product function short circuit protection		1.5 hp		
- at 460/480 V rated value 5 hp - at 575/600 V rated value 5 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 On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 mm required spacing • for grounded parts - forwards - backwards - upwards - upwards - at the side - downwards - downwards - downwards - for live parts				
- at 575/600 V rated value 5 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 On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 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				
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 fastening method On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 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 On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 mm required spacing • for grounded parts — forwards — backwards — backwards — upwards — 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 on adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 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 265 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 fastening method on adapter for screw and snap-on mounting on 35 mm DIN rail height width 90 mm depth required spacing for grounded parts — forwards — backwards — upwards — at the side — downwards — downwards • for live parts • for live parts				
Installation/ mounting/ dimensions mounting position fastening method On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	• •	150 000 A		
mounting position fastening method On adapter for screw and snap-on mounting on 35 mm DIN rail beight 265 mm width 90 mm depth 120 mm required spacing ● for grounded parts — forwards — backwards — upwards — at the side — downwards ● for live parts	-	100 000 /1		
fastening method On adapter for screw and snap-on mounting on 35 mm DIN rail height 265 mm width 90 mm depth 120 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		vertical		
height 265 mm width 90 mm depth 120 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 120 mm required spacing	<u> </u>			
depth 120 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 — backwards — upwards — at the side — downwards • for live parts 10 mm 10 mm	·	120 11111		
— forwards 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm ● for live parts				
— backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm ● for live parts		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		

h - alassanda	0				
— 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					
proportion of dangerous failures					
 with high demand rate according to SN 31920 	73 %				
B10 value with high demand rate according to SN 31920	1 000 000				
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				
Approvals Certificates					
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



Confirmation

other

Vibration and Shock

Railway

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=3RA2220-1FB24-0AP0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2220-1FB24-0AP0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1FB24-0AP0

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

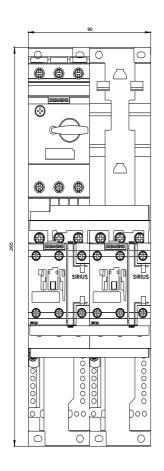
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-1FB24-0AP0&lang=en

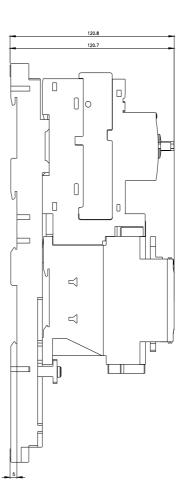
Characteristic: Tripping characteristics, I²t, Let-through current

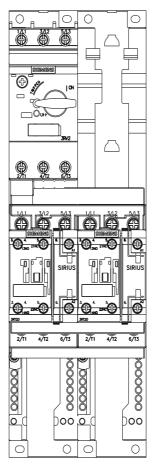
https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1FB24-0AP0/char

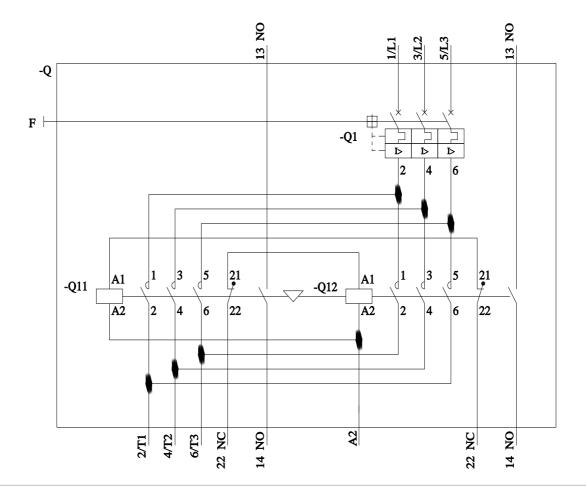
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-1FB24-0AP0&objecttype=14&gridview=view1









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