SIEMENS

Data sheet

3RA2210-1JA16-2AP0

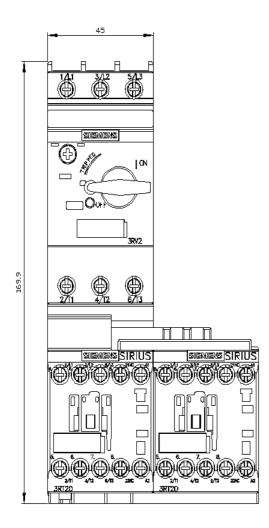


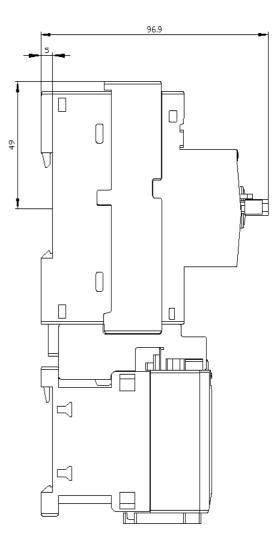
Load feeder fuseless, Reversing duty 400 V AC, Size S00 7.00...10.0 A 230 V AC screw terminal for installation on standard mounting rail Type of coordination 1, lq = 150 kA 1 NC (contactor)

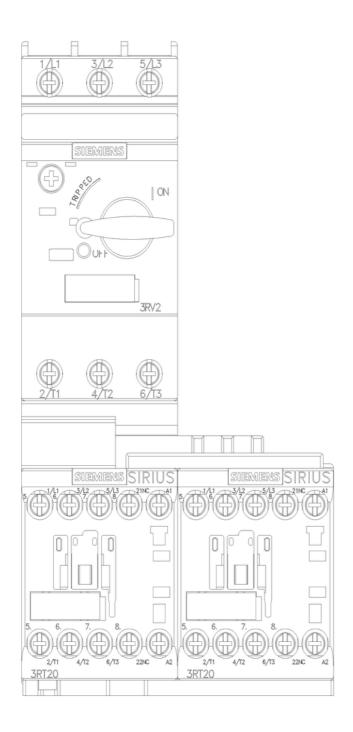
SIRIUS		
Reversing starter		
for standard rail or screw mounting		
3RA22		
<u>3RT2016-1AP02</u>		
<u>3RV2011-1JA10</u>		
<u>3RA1921-1DA00</u>		
S00		
S00		
3.4 W		
4.2 W		
690 V		
6 kV		
other		
6g / 11 ms		
30 000 000		
1		
Ex II (2) GD		
DMT 02 ATEX F 001		
Q		
10/01/2009		
-20 +60 °C		
-50 +80 °C		
-50 +80 °C		
-20 +60 °C		
10 95 %		
3		
electromechanical		
7 10 A		
690 V		
690 V		
690 V		

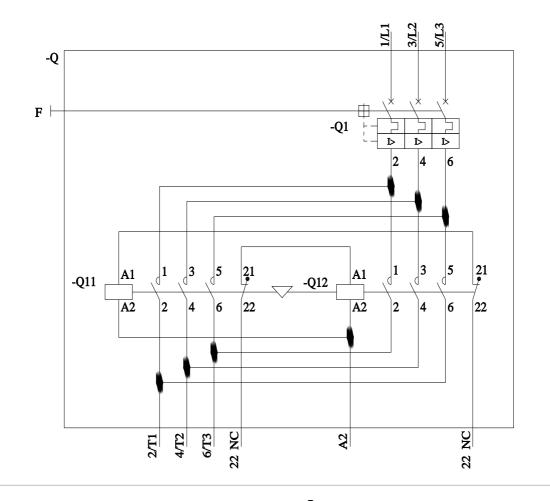
operational curvers in the solution of the constraint of the		
• Ir AC-3 if 400 v Indev value9 A• IR AC-3 if 400 v Indev value9 A• IR AC-3 if AC-39 A• I = AL-00 v Indev value4 000 W• I = AL-00 v Indev value2 000 V• I = AL-00 V Indev value0 25• I = AL-00 V Indev value0 25• I = AL-00 V Indev value0 25• I = AL-00 V Indev value7 0 A• I = AL-00 V Indev value7 0 A• I = AL-00 V Indev value7 0 A• I = AL-00 V Indev value0 0 3 hp• I = AL-00 V Indev value0 3 hp <trr< td=""><td>operating frequency rated value</td><td>50 60 Hz</td></trr<>	operating frequency rated value	50 60 Hz
at AQD Y rated value 9 A operating power at AQD Y rated value 4 000 W at AQD V rated value 4 000 W at AQD V rated value 4 000 KW at AQD V rated value 4 000 KW at AQD V rated value 2 00 V at AQD V rated value 200 V	operational current	
operating power et AC-3	 at AC-3 at 400 V rated value 	9 A
• at AC.3 - at AO V rade volue 4 000 W • at AC.3e - at AO V rade volue 4 000 W • at AO.5 Ortotal - at AO V rade volue 4 000 W Control supply voltage at AC	 at AC-3e at 400 V rated value 	9 A
	operating power	
• af 400 V rated value400 kWControl supply voltageACSyne of voltage of the control supply voltageAC• af 60 Pir rated value250 V• af 60 Pir rated value252 V• af 60 Pir rated value253 V• af 60 Pir rated value253 V• af 60 Pir rated value764 N• af 60 Pir rated value754 N• af 60 Pir rated value75 Pir rate• af 60 Pir rated value75 Pir rate• af 60 Pir rated value	• at AC-3	
→ al 400 V field value 4 000 KW Central circuit Control KC Central values of the centrol supply voltage at AC 5 0 V • at 50 Hz rade value 250 V • at 50 Hz 42 VA • at 50 Hz 33 VA • at 50 Hz 0.25 • at 50 Hz 0.25 • at 60 Hz 0.25 • at 61 Hz 0.25 • at 60 V rade value 10.4 • at 60 V rade value 10.4 • at 60 V rade value 10.4 • at 60 V rade value 7.6 A • at 60 V rade value 3.0 hp<	— at 400 V rated value	4 000 W
→ al 400 V field value 4 000 KW Central circuit Control KC Central values of the centrol supply voltage at AC 5 0 V • at 50 Hz rade value 250 V • at 50 Hz 42 VA • at 50 Hz 33 VA • at 50 Hz 0.25 • at 50 Hz 0.25 • at 60 Hz 0.25 • at 61 Hz 0.25 • at 60 V rade value 10.4 • at 60 V rade value 10.4 • at 60 V rade value 10.4 • at 60 V rade value 7.6 A • at 60 V rade value 3.0 hp<	• at AC-3e	
Control circuit/ Control AC Open of voltage of the control supply voltage at AC AC • at 50 Hz railed value 230 V • at 50 Hz railed value 230 230 V • at 60 Hz raide value 230 230 V • at 60 Hz raide value 230 230 V • at 60 Hz raide value 230 230 V • at 60 Hz 33 VA Inductive power factor with the holding power of the coil 0.25 • at 60 Hz 0.25 • at 80 V hz 0.26 • at 80 V hz 0.26 • at 200 V hz <td></td> <td>4 000 kW</td>		4 000 kW
type of voltage of the control supply voltage AC control supply voltage at AC 20 V • at 50 Hz raide value 20 V • at 60 Hz 42 VA • at 60 Hz 42 VA • at 60 Hz 0.25 • at 80 Vitale value <td></td> <td></td>		
control supply voltage at AC 280 V • at 50 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 200 - 280 V • at 60 Hz rated value 280 - 280 V • at 60 Hz rated value 76 A • for class CLASS 10 • for single phase AC motor 76 A • at 600 V rated value 76 A • for single phase AC motor - - at 220230 V rated value 7 hp • for single phase AC motor - - at 220220 V rated value 7 hp • for single phase AC motor - - at 220220 V rated value		٨٢
• at 50 Hz rade value200 V• at 50 Hz42 VA• at 50 Hz42 VA• at 50 Hz33 VA• at 50 Hz0.25• at 40 V rade value76• at 40 V rade value7.6 A• at 430 V rade value7.6 A• at 430 V rade value7.6 A• at 430 V rade value1.00 A• at 50 V rade value3.0 A• at 400 V rade value2.0 A• at 400 V rade value3.0 A• at 400 V rade value1.00 A• at 400 V rade value5.0 P• at 400 V rade value1.00 A <t< td=""><td></td><td></td></t<>		
• at 50 Hz rated value230 V• at 60 Hz rated value230 V• at 60 Hz rated value230 V• at 50 Hz rated value230 V• at 50 Hz42 VA• at 60 Hz33 VA• at 60 Hz33 VA• at 60 Hz025• at 60 Hz026• at 60 Hz76 A• at 60 Hz76 A• at 60 Hz030 hp• at 60 Hz1 hp• for 3 phase AC motor1 hp• for 3 phase AC motor1 hp• for 3 phase AC motor2 hp• at 60 Hz1 hp• for 3 phase AC motor3 hp• at 60 Hz1 hp• for 3 phase AC motor1 hp• for 3 phase AC motor1 hp• for 3 phase AC motor1 hp• for 3 phase AC motor <t< td=""><td></td><td>220.1/</td></t<>		220.1/
• at 60 Hz rated value230 V• at 60 Hz rated value230230 V• at 50 Hz42 VA• at 50 Hz42 VA• at 50 Hz33 VA• at 60 Hz0.25• at 60 V rated value0.25• at 60 V rated value7.6 A• at 480 V rated value7.6 A• at 600 V rated value1.0 P• for 3-phase AC motor1.0 P• for 3-phase AC motor1.0 P• for 3-phase AC motor1.0 P• at 20020 V rated value3.0 P• at 20020 V rated value3.0 P• at 400 V rated value1.0 P• for 3-phase AC motor1.0 P• at 400 V rated value3.0 P </td <td></td> <td></td>		
• at 60 H2 rated value230 Vapparent holding power of magnet coil at AC4.2 VA• at 60 H23.3 VAinductive power factor with the holding power of the coil0.25• at 60 H20.25• at 60 H2 control functionsHermal (bintealite)• first facts and monitoring functionsHermal (bintealite)• at 60 V rated value7.6 A• at 60 V rated value1 hp• for 3 phase AC motor at 100120 V rated value1 hp• for 3 phase AC motor at 200280 V rated value2 hp- at 75000 V rated value5 hp- at 600420 V rated value5 hp- at 75000 V rated value5 hp- at 600420 V rated value5 hp- at 600420 V rated value5 hp- at 75000 V rated value5 hp- at 7500 V rated value150 000 AInstance-edesign of the short-circuit protectionYesdesign of the short-circuit at 200280 V rated value150 000 AInstance-		
apparent holding power of magnet coil at AC 4.2 VA • at 50 Hz 4.2 VA • at 50 Hz 3.3 VA inductive power factor with the holding power of the coil 0.25 • at 60 Hz 0.25 • at 600 Hz 0.25 • at 600 Yradio Value Yes • at 480 Yradio Value 7.6 A • at 480 Yradio Value 7.6 A • at 480 Yradio Value 7.6 A • at 200 Yradio Value 7.6 A • at 200 Yradio Value 1 hp • for 3rphase AC motor - at 200/200 Yradio Value • at 200 Yradio Value 1 hp • for 3rphase AC motor - at 200/200 Yradio Value • at 200/200 Yradio Value 3 hp • at 600 Yradio Value 1 hp • for 3rphase AC motor - at 200/200 Yradio Value • at 600 Yradio Value 7.5 hp Short-circuit		
at 50 Hz it 50 Hz	at 60 Hz rated value	230 230 V
• at 60 Hz3.3 VAInductive power factor with the holding power of the coll0.25• at 60 Hz0.25• at 60 Hz0.25Auxiliary circuit0.25product extension auxiliary switchYeisProtective and monitoring functionsTtrip classCLASS 10design of the overload releasethermal (bimetallic)response value current of instantaneous short-circuit trip unt130 AUtCSA ratings7.8 Afull-load current (FLA) for 3-phase AC motor7.8 A• at 480 V rated value7.8 A• at 400 V rated value7.8 A• at 100/120 V rated value0.33 hp- at 110/120 V rated value0.33 hp- at 110/120 V rated value3.1 hp• for 3-phase AC motor at 200/200 V rated value3.1 hp- at 200/200 V rated value3.1 hp- at 200/200 V rated value3.1 hp- at 30 V rated value3.1 hp- at 30 V rated value3.1 hp- at 30 V rated value3.1 hp- at 37/5600 V rated value5 hp- at 400 V according to EC 60947.4.1 rated value150 000 AInstaliatori mounting of intensionsverticalrequired spacingverticalfield off admenticies150 000 AInstaliatori mounting of intensionsverticalrequired spacingverticalfor orgonnedicies9 mmdesign of the solue90 mmdesign of the solue90 mmdesign of the solue90 mm	apparent holding power of magnet coil at AC	4.2 VA
inductive power factor with the holding power of the coil 0.25 • at 60 Hz 0.25 Auxiliary circuit 0.25 product oxtonsion auxiliary switch Yes Protective and monitoring functions ULXSS 10 the plass CLASS 10 design of the overload release thermal (binetallic) response value current of instantaneous short-circuit trip unit 130 A UUCSA ratings 7.6 A full-load current (FLA) for 3-phase AC motor • at 400 Vrated value • at 600 Vrated value 7.6 A visited manical performance (hp) • • for single-phase AC motor	• at 50 Hz	4.2 VA
• at 50 Hz 0.25 • at 60 Hz 0.25 Avxiliary circuit 0 product extension auxiliary switch Yes Protective and monitoring functions trip class design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A UCSA ratings - full-load current (FLA) for 3-phase AC motor - • at 400 V rated value 7.6 A • at 600 V rated value 7.6 A • at 600 V rated value 7.6 A • at 600 V rated value 7.6 A • at 230 V rated value 0.33 hp at 230 V rated value 1 hp • for 3-phase AC motor - - at 200208 V rated value 3 hp at 220230 V rated value 5 hp at 200208 V rated value 5 hp Short-circuit protection response edsign of the short-circuit trip magnetic conditional short-circuit current (fq) screw and snap-on mounting onto 35 mm DIN rail fastenling method screw and snap-on mounting onto 35 mm D	• at 60 Hz	3.3 VA
• al 60 Hz 0.25 Auxiliary circuit Yes Product extension auxillary switch Yes Product functions CLASS 10 design of the overload release thermal (binetallic) response value current of instantaneous short-circuit trip unit 130 A ULIC3A vatings T full-load current (FLA) for 3-phase AC motor 7.6 A • at 600 V rated value 7.6 A • of cor single-phase AC motor - • of cor single-phase AC motor - • of 20208 V rated value 0.33 hp - at 200/208 V rated value 1 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 5 hp - at 60/400 V rated value 5 hp - at 400/40 V rated value 5 hp Short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit ap of the short-circuit from Yes design of the short-circuit from Yes mounting domasins - recuit from short frow from Yes <td>inductive power factor with the holding power of the coil</td> <td>0.25</td>	inductive power factor with the holding power of the coil	0.25
Auxiliary circuit Yes product oxtension auxiliary switch Yes Protective and monitoring functions CLASS 10 trip class CLASS 10 design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A UUCSA ratings 7.6 A full-load current (FLA) for 3-phase AC motor 7.6 A • at 400 V rated value 7.6 A • at 600 V rated value 7.6 A • at 10/120 V rated value 0.33 hp - at 2200 V rated value 10.0 - at 2200 V rated value 13.0 A - at 200/208 V rated value 1.0 P - at 200/208 V rated value 3.0 P - at 200/208 V rated value 3.0 P - at 400490 V rated value 5.0 P - at 400490 V rated value 7.6 hp Short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit trip magnetic conditional short-circuit trip 150 0000 A Instatation/ mounting/ dimensions vertical	• at 50 Hz	0.25
Auxiliary circuit Yes product oxtension auxiliary switch Yes Protective and monitoring functions CLASS 10 trip class CLASS 10 design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A UUCSA ratings 7.6 A full-load current (FLA) for 3-phase AC motor 7.6 A • at 400 V rated value 7.6 A • at 600 V rated value 7.6 A • at 10/120 V rated value 0.33 hp - at 2200 V rated value 10.0 - at 2200 V rated value 13.0 A - at 200/208 V rated value 1.0 P - at 200/208 V rated value 3.0 P - at 200/208 V rated value 3.0 P - at 400490 V rated value 5.0 P - at 400490 V rated value 7.6 hp Short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit trip magnetic conditional short-circuit trip 150 0000 A Instatation/ mounting/ dimensions vertical	• at 60 Hz	0.25
product extension auxiliary switch Yes Protective and monitoring functions Implass CLASS 10 trip class CLASS 10 Implass design of the overload release Itermal (bimetallic) Itermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A Itermal (bimetallic) IU/CSA ratings Titel content of instantaneous short-circuit trip unit 130 A IU/CSA ratings 7.6 A - i d800 V rated value 7.6 A - vielde mechanical performance [hp] - - vielde value 7.6 A - - at 200 Vrated value 0.33 hp - - at 200203 V rated value 1 hp - - at 200203 V rated value 2 hp - - at 450/480 V rated value 7.6 hp - product function short circuit protection Yes - design of the short-circuit trip magnetic - conditional short-circuit trip sagnetic - conditional short-circuit trip sagnetic - <t< td=""><td></td><td></td></t<>		
Protective and monitoring functions trip class CLASS 10 design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A UL/CSA ratings 130 A full-load current (FLA) for 3-phase AC motor at 480 V rated value 7.6 A yielded mechanical performance [hp] ior single-phase AC motor - at 120V20 V rated value 0.33 hp - at 200208 V rated value 1 hp ef or 3-phase AC motor - at 200208 V rated value 1 hp ef or 3-phase AC motor - at 200208 V rated value 3 hp - at 200208 V rated value 5 hp Short-circuit protection yes design of the short-circuit trip magnetic conditional short-circuit trip magnetic conditional short-circuit trip at 400 V according to 12 cologit 7-41 rated value 150 000 A Installation/ mounting/ dimensions mounting position vertical fratening method screw and snap-on mounting onto 35 mm DIN rail height 170 mm with 90 mm despin - for grounded parts - for orounded parts - for orounded parts - backwards - upwards 0 mm		Ves
trip class CLASS 10 design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A ULCSA ratings		
design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit 130 A UL/CSA ratings fill-load current (FLA) for 3-phase AC motor		CLASS 10
response value current of instantaneous short-circuit trip unit 130 A 14UC5A ratings full-load current (FLA) for 3-phase AC motor	•	
ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 7.6 A • at 600 V rated value 7.6 A yielded mechanical performance [hp] • for single-phase AC motor - at 100/120 V rated value 0.33 hp - at 230 V rated value 1 hp • for 3-phase AC motor - at 200/208 V rated value - at 20028 V rated value 2 hp - at 20028 V rated value 3 hp - at 20028 V rated value 5 hp - at 400480 V rated value 5 hp - at 400480 V rated value 7.6 h yielded mechanical performance [hp] magnetic - at 200208 V rated value 3 hp - at 200208 V rated value 5 hp - at 400480 V rated value 7.6 h Short-circuit protection Yes design of the short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit current (lq) 150 000 A tstatlation/ mounting dimensions wertical mounting position serew and snap-on mounting onto 35 mm DIN rail height 97 mm		
full-load current (FLA) for 3-phase AC motor 7.6 A • at 480 V rated value 7.6 A • at 600 V rated value 7.6 A yielded mechanical performance [hp] • • for single-phase AC motor 0.33 hp - at 110/120 V rated value 0.33 hp - at 230 V rated value 1 hp • for 3-phase AC motor - - at 220/208 V rated value 3 hp - at 220/208 V rated value 5 hp - at 220/208 V rated value 5 hp - at 220/208 V rated value 7.6 hp Short-circuit protection Yes design of the short-ircuit trop magnetic conditional short-circuit trop Yes design of the short-circuit trop 150 000 A Installation/ mounting to IEC 609474-1 rated value 150 000 A Installation/ mounting to IEC 609474-1 rated value 170 mm width 90 mm depth 97 mm required spacing • for younded parts - forwards 32 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm		130 A
• at 480 V rated value 7.6 Å • at 600 V rated value 7.6 Å ylelded mechanical performance [tp] • • for single-phase AC motor 0.33 hp - at 110/120 V rated value 0.33 hp - at 2002V8 V rated value 1 hp • for 3-phase AC motor 2 hp - at 200/28 V rated value 2 hp - at 200/28 V rated value 3 hp - at 200/28 V rated value 5 hp - at 460/480 V rated value 5 hp - at 575/600 V rated value 7.6 hp Short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit trip magnetic conditional short-circuit trip fostening to IEC 60947.4-1 rated value tat 400 V according to IEC 60947.4-1 rated value 150 000 A Installation/ mounting/ dimensions screw and snap-on mounting onto 35 mm DIN rail height 170 mm width 90 mm depth 97 mm required spacing of or grounded parts - forwards 32 mm - backwards 00 mm - backwards	UL/CSA ratings	
• at 600 V rated value7.6 Ayielded mechanical performance [hp]	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.33 hp - at 230 V rated value 1 hp • for 3-phase AC motor - - at 200/208 V rated value 2 hp - at 200/208 V rated value 3 hp - at 220/230 V rated value 5 hp - at 400/480 V rated value 5 hp - at 4575/600 V rated value 7.5 hp Short-circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit current (lq) 150 000 A • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting volticon 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 32 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm	 at 480 V rated value 	7.6 A
 for single-phase AC motor at 110/120 V rated value at 200 V rated value thp for 3-phase AC motor at 200/208 V rated value 2 hp at 200/208 V rated value 3 hp at 460/480 V rated value 5 hp at 450/480 V rated value 7 hp Short-circuit protection product function short circuit protection Ves 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 for grounded parts backwards 0 mm at the side 10 mm 	 at 600 V rated value 	7.6 A
at 110/120 V rated value0.33 hp at 230 V rated value1 hp• for 3-phase AC motor at 220/208 V rated value2 hp at 220/208 V rated value3 hp at 460/480 V rated value5 hp at 575/600 V rated value7.5 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticconditional short-circuit tripmagneticdesign of the short-circuit tripmagneticconditional short-circuit tripmagneticconditional short-circuit tripmagneticdesign of the short-circuit tripfeatening methodscrew and snap-on mounting onto 35 mm DIN railheight97 mmof corg unded parts32 mm- forwards <td>yielded mechanical performance [hp]</td> <td></td>	yielded mechanical performance [hp]	
at 230 V rated value1 hp• for 3-phase AC motor2 hp at 200/208 V rated value2 hp at 220/230 V rated value3 hp at 460/480 V rated value5 hp at 460/480 V rated value5 hp at 575/600 V rated value7.5 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticconditional short-circuit trip• at 40/480 V accer diagonalfor dual value150 000 AInstallation/ mounting/ dimensionsmounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mm- forwards32 mm- backwards50 mm- at the side10 mm- at the side10 mm	 for single-phase AC motor 	
• for 3-phase AC motor- at 200/208 V rated value2 hp- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 420/480 V rated value5 hp- at 457/600 V rated value7.5 hpShort-circuit protectionYesdesign of the short-circuit protectionYesdesign of the short-circuit current (lq)magnetic• at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing-• for grounded parts32 mm- forwards32 mm- powards50 mm- at the side10 mm- at the side10 mm	— at 110/120 V rated value	0.33 hp
• for 3-phase AC motor- at 200/208 V rated value2 hp- at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 420/480 V rated value5 hp- at 457/600 V rated value7.5 hpShort-circuit protectionYesdesign of the short-circuit protectionYesdesign of the short-circuit current (lq)magnetic• at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing-• for grounded parts32 mm- forwards32 mm- powards50 mm- at the side10 mm- at the side10 mm	— at 230 V rated value	1 hp
- at 200/208 V rated value2 hp- at 220/230 V rated value3 hp- at 460/480 V rated value5 hp- at 4575/600 V rated value7.5 hpShort-circuit protectionyroduct function short circuit protectionYesdesign of the short-circuit tripmagneticconditional short-circuit current (lq)150 000 A• at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionverticalscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mm- forwards32 mm- backwards0 mm- backwards0 mm- at the side10 mm- at the side10 mm		
- at 220/230 V rated value3 hp- at 460/480 V rated value5 hp- at 575/600 V rated value7.5 hpShort-circuit protectionYesdesign of the short-circuit protectionv at 400 V according to IEC 60947-41 rated value150 000 AInstallation/ mounting/ dimensionsmounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmvidth90 mmdepth97 mmrequired spacing forwards32 mm- backwards0 mm- at the side10 mm		2 hn
at 460/480 V rated value5 hp at 575/600 V rated value7.5 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticconditional short-circuit current (lq)150 000 A• at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- at the side10 mm		
at 575/600 V rated value7.5 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticconditional short-circuit current (lq)150 000 A• at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing- for grounded parts- forwards32 mm- backwards0 mm- at the side10 mm		
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 • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions vertical 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		
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 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm		7.5 np
design of the short-circuit trip magnetic conditional short-circuit current (lq) 150 000 A installation/ mounting/ dimensions 150 000 A 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 - forwards - forwards 32 mm - backwards 0 mm - upwards 50 mm - at the side 10 mm		
conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing-• for grounded parts32 mm- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm		
• at 400 V according to IEC 60947-4-1 rated value150 000 AInstallation/ mounting/ dimensionsverticalmounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing-• for grounded parts32 mm- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm		magnetic
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 - downwards 10 mm	conditional short-circuit current (lq)	
mounting positionverticalfastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing97 mm• for grounded parts32 mm- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm	• at 400 V according to IEC 60947-4-1 rated value	150 000 A
fastening methodscrew and snap-on mounting onto 35 mm DIN railheight170 mmwidth90 mmdepth97 mmrequired spacing-• for grounded parts32 mm- forwards0 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm	Installation/ mounting/ dimensions	
height170 mmwidth90 mmdepth97 mmrequired spacing97 mm• for grounded parts32 mm- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm	mounting position	vertical
height170 mmwidth90 mmdepth97 mmrequired spacing97 mm• for grounded parts32 mm- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail
width90 mmdepth97 mmrequired spacing97 mm• for grounded parts32 mm- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm		
depth97 mmrequired spacing97 mm• for grounded parts forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm		
required spacing • for grounded parts - forwards 32 mm - backwards 0 mm - upwards 50 mm - at the side 10 mm - downwards 10 mm		
• for grounded parts — forwards 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm	•	
- forwards32 mm- backwards0 mm- upwards50 mm- at the side10 mm- downwards10 mm		
— backwards0 mm— upwards50 mm— at the side10 mm— downwards10 mm		22 mm
- upwards50 mm- at the side10 mm- downwards10 mm		
at the side 10 mm downwards 10 mm		
— downwards 10 mm		
	— at the side	10 mm
for live parts	— downwards	10 mm
	 for live parts 	

— forwards	32 mr	n				
— backwards	0 mm					
— upwards		50 mm				
— downwards		10 mm				
— at the side	10 mr	n				
Connections/ Terminals						
type of electrical connection						
 for main current circuit 	screw	-type terminals				
 for auxiliary and control circuit 	screw	screw-type terminals				
Safety related data						
B10 value with high demand rate according to SN 31920	1 000	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						
		For use in hazard-				
General Product Approval		ous locations	Declaration of Conform			
<u>Confirmation</u>	AC	K ATEX	C C EG-Konf.	UK CA		
Test Certificates Marine /	Shipping					
<u>Type Test Certific-</u> <u>ates/Test Report</u> <u>ate</u>	ABS	B UREAU VERITAS	Lloyds Register urs	PRS		
Marine / Shipping		other	Railway			
	NV-GL	<u>Confirmation</u>	<u>Vibration and Shock</u>			
Further information						
Siemens has decided to exit the Russian market (see he						
https://press.siemens.com/global/en/pressrelease/siemens-v Siemens is working on the renewal of the current EAC c Please contact your local Siemens office on the status of val EAC relevant market (other than the sanctioned EAEU mem Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813	wind-down-russ ertificates. lidity of the EAC ber states Russ	certification if you inten	d to import or offer to supply	these products to an		
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=3RA2210-1JA16-2AP0						
Cax online generator						
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1JA16-2AP0 Service&Support (Manuals, Certificates, Characteristics, FAQs,)						
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1JA16-2AP0						
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)						
http://www.automation.siemens.com/bilddb/cax_de.aspx?ml Characteristic: Tripping characteristics, I ² t, Let-through	current	-				
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210						
Further characteristics (e.g. electrical endurance, switch http://www.automation.siemens.com/bilddb/index.aspx?view	<pre>/=Search&mlfb=</pre>) =3RA2210-1JA16-2AP08	&objecttype=14&gridview=vie	<u>ew1</u>		









last modified:

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