SIEMENS

Data sheet



Reversing contactor assembly, AC-3, 18.5 kW 400 V, 24 V AC, 50/60 Hz 3-pole, Size S2 screw terminal electrical and mechanical interlock 2 NO integrated

product dye designation product type designation anufacturer's article number • 1 of the supplied contactor • 2 of the supplied contactor • 2 of the supplied contactor • 3RT2035-1AG20 • 2 of the supplied contactor • 3RT2035-1AG20 • 2 of the supplied contactor size of contactor product extension auxiliary switch \$ yes shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC at 18.g / 5 ms, 11.6g / 10 ms shock resistance with sine pulse • at AC and 18.5g / 5 ms, 11.6g / 10 ms shock resistance with sine pulse • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quistance Prohibitance (Date) Ambient conditions installation allitude at height above sea level maximum ambient emperature • during operation • during storage * during operation • during storage * 55 +80 °C * Main circuit number of NC contacts for main contacts 0 operating voltage at AC-3 rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value	product brand name	SIRIUS	
manufacturer's article number • 1 of the supplied contactor • 2 of the supplied contactor • of the supplied contactor • of the supplied contactor • of the supplied RS assembly kit 3R2933-2AA1 General technical data size of contactor S2 product extension auxiliary switch • at AC shock resistance at rectangular impulse • at AC • at AC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Qubstance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage Main circuit number of POC contacts for main contacts number of POC contacts for main contacts number of POC contacts for main contacts 0 operating voltage at AC-3 rated value maximum operating power • at AC-3 • at 400 V rated value - at 690 V rated value - at 690 V rated value - at 500 V rated value	product designation	Reversing contactor assembly	
• 1 of the supplied contactor • 2 of the supplied RS assembly kit • 2 of the supplied RS assembly kit General technical data size of contactor shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage # 25 +80 °C ### C ### AC ** ##	product type designation	3RA23	
of the supplied contactor of the supplied RS assembly kit 3RA2933-2AA1 General technical data size of contactor product extension auxiliary switch shock resistance at rectangular impulse • at AC	manufacturer's article number		
of the supplied RS assembly kit Size of contactor product extension auxiliary switch shock resistance at rectangular impulse at AC	 1 of the supplied contactor 	3RT2035-1AG20	
S2 Yes S2 Yes S2 Yes Shock resistance at rectangular impulse at AC 11.8g / 5 ms, 11.6g / 10 ms S2 Shock resistance at rectangular impulse at AC 18.5g / 5 ms, 11.6g / 10 ms Shock resistance with sine pulse at AC 18.5g / 5 ms, 11.6g / 10 ms Shock resistance with sine pulse at AC 18.5g / 5 ms, 11.6g / 10 ms Shock resistance with sine pulse 18.5g / 5 ms, 11.6g / 10 ms Shock resistance with sine pulse 18.5g / 5 ms, 11.6g / 10 ms Shock resistance vith sine pulse 10.000 000 10.000	 2 of the supplied contactor 	3RT2035-1AG20	
size of contactor product extension auxiliary switch shock resistance at rectangular impulse at AC shock resistance with sine pulse at AC at AC shock resistance with sine pulse at AC shock res	 of the supplied RS assembly kit 	3RA2933-2AA1	
product extension auxiliary switch shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC mechanical service life (switching cycles) • of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quuling storage of utring operation of utring operation of utring storage operating voltage at AC-3 rated value at 500 V rated value operating power • at AC-3 — at 400 V rated value — at 500 V rated value • at 500 V rated value — at 500 V rated value • 11.8g / 5 ms, 11.6g / 10 ms 10.000 000 10.000 00 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 000 10.000 00 10.000 00 10.000 00 10.000 00 10.0	General technical data		
shock resistance at rectangular impulse at AC shock resistance with sine pulse at AC at AC 18.5g / 5 ms, 11.6g / 10 ms mechanical service life (switching cycles) of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oldring operation oldring storage Aid in circuit number of NC contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value at 400 V rated value at AC-3 — at 400 V rated value 18.5 kW — at 500 V rated value 22 kW	size of contactor	S2	
• at AC shock resistance with sine pulse • at AC at 18.5g / 5 ms, 11.6g / 10 ms mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical Teference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • 25 +60 °C during storage Amin circuit number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum 690 ∨ operational current at AC-3 • at 400 ∨ rated value 41 A • at 690 ∨ rated value 24 A operating power • at AC-3 — at 400 ∨ rated value 18.5 kW — at 500 ∨ rated value 18.5 kW — at 500 ∨ rated value 18.5 kW — at 500 ∨ rated value 22 kW	product extension auxiliary switch	Yes	
shock resistance with sine pulse	shock resistance at rectangular impulse		
• at AC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage during storage -55 +60 °C during storage Main circuit number of poles for main current circuit 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value	• at AC	11.8g / 5 ms, 11.6g / 10 ms	
mechanical service life (switching cycles) of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation during storage -25 +60 °C -55 +80 °C Main circuit number of poles for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 at 400 V rated value at 690 V rated value operating power at 400 V rated value at 600 V rated value	shock resistance with sine pulse		
of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions Installation altitude at height above sea level maximum ambient temperature oduring operation oduring storage -25 +60 °C oduring storage -55 +80 °C Main circuit number of NO contacts for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 oat 400 V rated value at 500 V rated value operating power at 400 V rated value	at AC	18.5g / 5 ms, 11.6g / 10 ms	
of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature o during operation oduring storage Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value at 500 V rated value at 400 V rated value	mechanical service life (switching cycles)		
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Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage -25 +60 °C -55 +80 °C Main circuit number of poles for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value	•	10 000 000	
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installation altitude at height above sea level maximum ambient temperature during operation during storage -25 +60 °C oduring storage -55 +80 °C Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 out 400 V rated value out 690 V v rated value 41 A out 690 V rated value 41 A out 690 V rated value 24 A operating power out at AC-3 —at 400 V rated value 18.5 kW —at 500 V rated value 22 kW	Substance Prohibitance (Date)	10/01/2014	
ambient temperature • during operation • during storage -25 +60 °C • during storage -55 +80 °C Main circuit number of poles for main current circuit 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum 690 V operational current at AC-3 • at 400 V rated value 41 A • at 500 V rated value 41 A • at 690 V rated value 24 A operating power • at AC-3 — at 400 V rated value 18.5 kW — at 500 V rated value 22 kW	Ambient conditions		
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Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 24 A operating power • at AC-3 — at 400 V rated value 18.5 kW — at 500 V rated value 22 kW	 during operation 	-25 +60 °C	
number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value 18.5 kW - at 500 V rated value 22 kW	 during storage 	-55 +80 °C	
number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value 18.5 kW - at 500 V rated value 22 kW	Main circuit		
number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value 18.5 kW — at 500 V rated value 22 kW			
operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value 24 A operating power • at AC-3 — at 400 V rated value 18.5 kW — at 500 V rated value 22 kW		3	
operational current at AC-3	number of poles for main current circuit		
 at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at AC-3 at 400 V rated value at 500 V rated value 22 kW 	number of poles for main current circuit number of NO contacts for main contacts	3	
 at 500 V rated value at 690 V rated value 24 A operating power at AC-3 at 400 V rated value at 500 V rated value 22 kW 	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts	3 0	
● at 690 V rated value operating power ● at AC-3 — at 400 V rated value — at 500 V rated value 24 A 18.5 kW 22 kW	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum	3 0	
operating power	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3	3 0 690 V	
◆ at AC-3 — at 400 V rated value — at 500 V rated value 22 kW	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value	3 0 690 V 41 A	
 at 400 V rated value at 500 V rated value 22 kW 	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value	3 0 690 V 41 A 41 A	
— at 500 V rated value 22 kW	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	3 0 690 V 41 A 41 A	
	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value operating power	3 0 690 V 41 A 41 A	
— at 690 V rated value 22 kW	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value operating power • at AC-3	3 0 690 V 41 A 41 A 24 A	
	number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value operating power • at AC-3 — at 400 V rated value	3 0 690 V 41 A 41 A 24 A	

earl AC-st at 400 V rated value 18,6 kW		
Control supply voltage 1 at AC • if 60 Ptz rated value • at 60 Ptz • at	at AC-4 at 400 V rated value	18.5 kW
type of voltage of the control supply voltage control supply voltage 1 at AC	operating frequency at AC-3 maximum	1 000 1/h
control supply voltage 1 at AC at 50 Hz rated value at 50 Hz rated value 24 V operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz apparent pick-up power factor with closing power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 V	Control circuit/ Control	
control supply voltage 1 at AC at 50 Hz rated value at 50 Hz rated value 24 V operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz apparent pick-up power factor with closing power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 50 Hz bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 VA bridge factor with the holding power of the coil at 6.5 V	type of voltage of the control supply voltage	AC
• at 50 Hz rated value 24 V		
operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz at 60 Hz binductive power factor with closing power of the coil at 60 Hz bindamenous contact at 70 Hz first distance at 80 Hz bindamenous contact at 80 Hz contact reliability of auxiliary contacts at 60 Hz at 60 Hz bindamenous contact at 80 Hz contact reliability of auxiliary contacts at 80 Hz bindamenous contact at 80 Hz at 80 Hz bindamenous contact at 80 Hz at 80 Hz bindamenous contact at 80 Hz bindamenous c		24 V
value of magnet coil at AC	at 60 Hz rated value	24 V
value of magnet coil at AC	operating range factor control supply voltage rated	
e at 60 Hz apparent pick-up power of magnet coil at AC a t 50 Hz a t 60 Hz b at 60 Hz at 50 Hz b at 60 Hz apparent holding power of the coil at 50 Hz b at 60 Hz b at 60 Hz apparent holding power of magnet coil at AC at 50 Hz b at 60 Hz b at 6		
apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil apparent holding power of magnet coil at AC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 50 Hz at 50 Hz at 60 Hz at 50 Hz at 50 Hz at 50 Hz at 60 Hz at 50 Hz at 60 H	● at 50 Hz	0.8 1.1
	● at 60 Hz	0.85 1.1
e at 60 Hz inductive power factor with closing power of the coil a t 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 60 Hz	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60	● at 50 Hz	210 VA
a at 50 Hz apparent holding power of magnet coil at AC a to 50 Hz at 50 Hz	● at 60 Hz	188 VA
apparent holding power of magnet coll at AC at 50 Hz at 50 Hz at 60 Hz 17.2 VA 16.5 VA 110.65 V	inductive power factor with closing power of the coil	
apparent holding power of magnet coil at AC at 50 Hz at 50 Hz 10.5 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz bat 60 Hz outsilary crount number of NC contacts for auxiliary contacts per direction of rotation number of NC contacts for auxiliary contacts per direction of rotation instantaneous contact per direction of rotation instantaneous contact contact reliability of auxiliary contacts 1 error per 100 million operating cycles 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 at 400 V rated value at 575:600 V rated value at 575:6	● at 50 Hz	0.69
• at 50 Hz	● at 60 Hz	0.65
• at 50 Hz	apparent holding power of magnet coil at AC	
inductive power factor with the holding power of the coil at 50 Hz at 60 Hz Auxiliary circuit number of NC contacts for auxiliary contacts • per direction of rotation number of NC contacts for auxiliary contacts • per direction of rotation 1 • instantaneous contact 2 contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 40 A 41 A yielded mechanical performance [hp] for 3-phase AC motor • at 220/230 V rated value 41 A yielded mechanical performance [hp] for 3-phase AC motor • at 460/460 V rated value 40 A		17.2 VA
inductive power factor with the holding power of the coll at 50 Hz at 60 Hz Auxiliary circuit number of NC contacts for auxiliary contacts • per direction of rotation number of NC contacts for auxiliary contacts • per direction of rotation number of NC contacts for auxiliary contacts • per direction of rotation instantaneous contact 2 contact reliability of auxiliary contacts • per direction of rotation • instantaneous contact 2 contact reliability of auxiliary contacts UL/GSA 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 • at 600 V rated value • at 220/230 V rated value • at 480/480 V rated value • at 480/480 V rated value • at 576/600 V rated value • at 676/600 V rated value • at 67	● at 60 Hz	16.5 VA
coil at 50 Hz at 60 Hz at 60 Hz by at 60 Hz contacts for auxiliary contacts by end direction of rotation number of NC contacts for auxiliary contacts by end direction of rotation number of NO contacts for auxiliary contacts by end direction of rotation instantaneous contact contact reliability of auxiliary contacts UL/OSA 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 at 460/480 V rated value at 675/600 V rated value at 675/600 V rated value at 675/600 V rated value and 675/600 V rated value		
• at 60 Hz Auxiliary circuit number of NC contacts for auxiliary contacts • per direction of rotation number of NC contacts for auxiliary contacts • per direction of rotation 1 • instantaneous contact 2 contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 675/600 V rated value • for short-circuit protection of the main circuit • with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • f		
Auxillary circuit number of NC contacts for auxiliary contacts • per direction of rotation number of NO contacts for auxiliary contacts • per direction of rotation 1 • instantaneous contact 2 contact reliability of auxillary contacts 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 • at 460/480 V rated value • at 575/600 V rated value • or short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting / dimensions mounting position #/-180* rotation possible on vertical mounting surface; can be tilled forward and backward by +/- 22.5* on vertical mounting surface fastening method height 141 mm width depth 150 mm 100 mm 100 mm 100 mm 100 mm 100 mm	● at 50 Hz	0.36
number of NC contacts for auxiliary contacts • per direction of rotation 1	• at 60 Hz	0.39
number of NC contacts for auxiliary contacts • per direction of rotation 1	Auxiliary circuit	
per direction of rotation number of NO contacts for auxiliary contacts		
number of NO contacts for auxiliary contacts • per direction of rotation • instantaneous contact 2 contact reliability of auxiliary contacts VLICSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value vielded mechanical performance [hp] for 3-phase AC motor • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • or short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method fastening method height vidth 120 mm depth required spacing • with side-by-side mounting — forwards — backwards — backwards — upwards 10 mm 10 mm	-	0
per direction of rotation instantaneous contact contact reliability of auxiliary contacts ULCSA ratings full-load current (FLA) for 3-phase AC motor at 800 V rated value at 600 V rated value at 460/480 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 600 V rated value	•	
• instantaneous contact contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 600 V rated value • at 575/600 V rated value • ontact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • with type of assignment 2 required • for short-circuit protection of the auxiliary switch required installation/ mounting/ dimensions mounting position **Installation/ mounting/ dimensions** mounting position **Installation/ mou	-	1
contact reliability of auxiliary contacts VL/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 • at 220/230 V rated value • at 460/480 V rated value • at 450/480 V rated value • at 575/600 V rated value • or or short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the auxiliary switch required * for short-circuit protection of the same protection of the short protection of the short protection of	·	
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full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • ontact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • full 30 A D D D D D D D D D D D D D D D D D D		Total par too million operating dyolog
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 forwards backwards upwards 10 mm 0 mm 10 mm 		
— backwards— upwards0 mm10 mm		
— upwards 10 mm	— forwards	10 mm
	— backwards	0 mm
— downwards 10 mm	•	10 mm
	— downwards	10 mm

— at the side	10 mm
 for grounded parts 	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— backwards	0 mm
— upwards	10 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
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	71
for main contacts	
— solid	2x (1 35 mm²), 1x (1 50 mm²)
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
 finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 mm²)
at AWG cables for main contacts	2x (18 2), 1x (18 1)
type of connectable conductor cross-sections	
for auxiliary contacts	
solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	1 000 000
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	73 %
failure rate [FIT] with low demand rate according to SN	100 FIT
31920	
T1 value for proof test interval or service life according to IEC 61508	20 y
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No
Certificates/ approvals	
General Product Approval	Declaration of Conformity
σοποιαι ι τουμοι Αρριοναι	Deciaration of Committy



Confirmation









Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other

Dangerous Good





Confirmation

<u>Transport Information</u>

Further information

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=3RA2335-8XB30-1AC2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2335-8XB30-1AC2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2335-8XB30-1AC2

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2335-8XB30-1AC2&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2335-8XB30-1AC2/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2335-8XB30-1AC2&objecttype=14&gridview=view1

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