SIEMENS

Data sheet

3RA2326-8XB30-1AG2



REV. COMB., AC3, 11KW/400V AC110V, 50/60HZ, 3-POLE, SZ S0 SCREW TERMINAL ELECTR. AND MECH. INTERLOCK 2NO INTEGR.

SIRIUS
star-delta (wye-delta) contactor assembly 3RA24
<u>3RT2026-1AG20</u>
<u>3RT2026-1AG20</u>
3RA2923-2AA1

General technical data:					
Insulation voltage					
 with degree of pollution 3 Rated value 	V	690			
Degree of pollution		3			
Shock resistance		12.5g / 5 ms and 7.8g / 10 ms			
Surge voltage resistance Rated value	kV	6			
Mechanical service life (switching cycles)					
 of the contactor typical 		10 000 000			
 of the contactor with added auxiliary switch block typical 		10 000 000			
Protection class IP					
• on the front		IP20			
Equipment marking					
• acc. to DIN EN 81346-2		Q			
Main circuit:					

Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
Operating voltage	

 at AC-3 Rated value maximum 	V	690
Operating current		
• at AC-1		
— at 400 V at ambient temperature 40 °C Rated value	А	40
— at 400 V at ambient temperature 60 °C Rated value	А	35
 at AC-2 at 400 V Rated value 	А	25
• at AC-3		
— at 400 V Rated value	А	25
• at AC-4 at 400 V Rated value	А	15.5
Operating current with 1 current path	-	
• at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	4.5
● at DC-3 at DC-5		
— at 24 V Rated value	А	20
— at 110 V Rated value	А	2.5
Operating current with 2 current paths in series	-	
• at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	35
• at DC-3 at DC-5		
— at 110 V Rated value	А	15
— at 24 V Rated value	А	35
Operating current with 3 current paths in series	_	
• at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	35
● at DC-3 at DC-5		
— at 110 V Rated value	А	35
— at 24 V Rated value	А	35
Operating power	-	
• at AC-2 at 400 V Rated value	kW	11
● at AC-4 at 400 V Rated value	kW	7.5
Operating power		
• at AC-3		
— at 400 V Rated value	kW	11
— at 500 V Rated value	kW	11
— at 690 V Rated value	kW	11
Operating frequency		
• at AC-3 maximum	1/h	1 000

No-load switching frequency	1/h	1 500				
Control circuit/ Control:						
Type of voltage of the control supply voltage		AC				
Control supply voltage 1 with AC						
● at 50 Hz Rated value	V	110				
● at 60 Hz Rated value	V	110				
Operating range factor control supply voltage rated	-					
value of the magnet coil with AC						
• at 50 Hz		0.8 1.1				
• at 60 Hz		0.8 1.1				
Auxiliary circuit:						
Number of NC contacts						
 for auxiliary contacts 						
— per direction of rotation		0				
— instantaneous contact		0				
— lagging switching		0				
Number of NO contacts	-					
 for auxiliary contacts 						
— per direction of rotation		0				
— instantaneous contact		0				
— leading contact		0				
Product expansion Auxiliary switch	-	Yes				
Operating current of the auxiliary contacts at AC-12 maximum	A	10				
Operating current of the auxiliary contacts at AC-15						
• at 230 V	А	6				
• at 400 V	А	3				
Operating current of the auxiliary contacts at DC-13						
• at 24 V	А	10				
• at 60 V	А	2				
• at 110 V	А	1				
• at 220 V	А	0.3				
Contact reliability of the auxiliary contacts	-	< 1 error per 100 million operating cycles				
UL/CSA ratings:						
Full-load current (FLA) for three-phase AC motor						
• at 480 V Rated value	А	21				
• at 600 V Rated value	А	22				
yielded mechanical performance [hp]						
 for single-phase AC motor at 110/120 V Rated value 	metric hp	2				

 for single-phase AC motor at 230 V Rated 	metric	3	
value	hp	Č	
• for three-phase AC motor at 220/230 V Rated	metric	7.5	
value	hp		
 for three-phase AC motor at 460/480 V Rated 	metric	15	
value	hp		
• for three-phase AC motor at 575/600 V Rated	metric hp	20	
value Contact rating of the auxiliary contacts acc. to UL		A600 / Q600	
		A0007 Q000	
Short-circuit:			
Design of the fuse link			
• for short-circuit protection of the main circuit			
 — with type of assignment 1 required 		gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A	
— with type of assignment 2 required		gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A	
 for short-circuit protection of the auxiliary switch 		fuse gL/gG: 10 A	
required			
Installation/ mounting/ dimensions:			
mounting position		+/-180° rotation possible on vertical mounting	
		surface; can be tilted forward and backward by +/-	
		22.5° on vertical mounting surface	
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail	
Height	mm	101	
Width	mm	90	
Depth	mm	97	
Required spacing			
 with side-by-side mounting 			
— forwards	mm	6	
— Backwards	mm	0	
— upwards	mm	6	
— downwards	mm	6	
— at the side	mm	6	
 for grounded parts 			
— forwards	mm	6	
— Backwards	mm	0	
— upwards	mm	6	
— at the side	mm	6	
— downwards	mm	6	
• for live parts			
— forwards	mm	6	
— Backwards	mm	0	

— upwards	mm	6
— downwards	mm	6
— at the side	mm	6

Connections/ Terminals:		
Type of electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Type of connectable conductor cross-section		
• for main contacts		
— single or multi-stranded		2x (1 2,5 mm²), 2x (2,5 10 mm²)
 finely stranded with core end processing 		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
 for AWG conductors for main contacts 		2x (16 12), 2x (14 8)
 for auxiliary contacts 		
— single or multi-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)
 for AWG conductors for auxiliary contacts 		2x (20 16), 2x (18 14)
Apparent pick-up power of the magnet coil with AC		
• at 50 Hz	V·A	77
Safety related data:		
B10 value with high demand rate acc. to SN 31920		1 000 000
Proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	%	40
 with high demand rate acc. to SN 31920 	%	75
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
T1 value for proof test interval or service life acc. to IEC 61508	У	20
Protection against electrical shock		finger-safe
Mechanical data:		
Size of contactor		S0
		SO

 Protocol is supported
 No

 • AS-interface protocol
 No

 Product function Control circuit interface with IO link
 No

 Ambient conditions:
 Installation altitude at height above sea level maximum
 m
 2 000

Ambient temperature		
 during operation 	°C	-25 +60
 during storage 	°C	-55 +80

Certificates/ approvals:							
General Produc	t Approval		Declaration of	Test	Shipping		
			Conformity	Certificates	Approval		
CSA		EHC	EG-Konf.	Special Test Certificate	ABS		
Shipping Appro	val						
B U R E A U VE R I T A S		GL	Lloyd's Register Lrs	PRS	RINA		
Shipping	other						
Approval							
RMRS	Environmental Confirmations	<u>other</u>					

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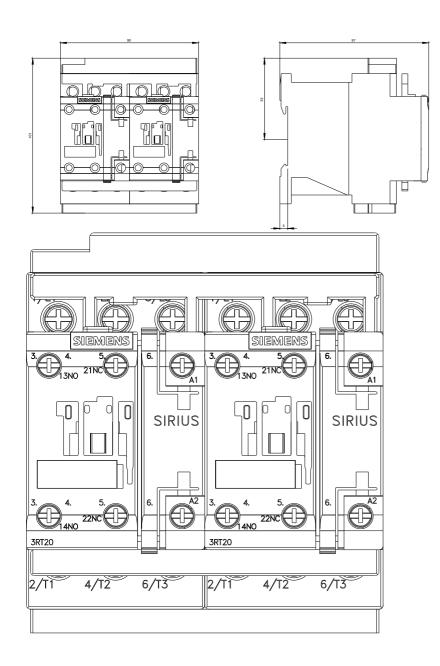
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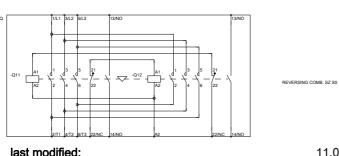
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