SIEMENS

Data sheet

3RT2637-1AP03



CONTACTOR, AC-6B, 75KVAR/400V, 1NO+1NC, 230V AC, 50HZ, 3-POLE, SIZE S2 SCREW TERMINAL

Figure similar		
product brand name		SIRIUS
Product designation	_	3RT26 capacitor contactors
General technical data:		
Insulation voltage		
Rated value	V	690
Degree of pollution	_	3
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)	_	
 of the contactor with added auxiliary switch block typical 		3 000 000
Electrical endurance (switching cycles)	-	150 000
Protection class IP	_	
• on the front		IP20
Equipment marking	_	
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
Main circuit:		
Number of NC contacts for main contacts		0
Number of NO contacts for main contacts		3
Operating current		
• at AC-6b at 690 V		
— at ambient temperature 40 °C Rated value	А	113.4
— at ambient temperature 60 °C Rated value	А	108

Control circuit/ Control:

Type of voltage of the control supply voltage AC Control supply voltage with AC • at 50 Hz Rated value V 230 230 • Rated value Hz 50 Operating range factor control supply voltage rated value of the magnet coil with AC V.A 190 • at 50 Hz 0.8 1.1 Apparent pick-up power of the magnet coil with AC V.A 190 Apparent holding power of the coil 0.72 0.37 • with closing power of the coil 0.37 • with choing power of the coil 1 • or auxiliary contacts 1 - instantaneous contact 1 Number of NC contacts 1 • for auxiliary contacts 1 - instantaneous contact 1 Number of NC contacts 1 - instantaneous contact 1 Number of NC contacts 1 - instantaneous contact 1 Product expansion Auxiliary witch Yes Identification number and letter for switching elements 10 Operating current of the auxiliary contacts at AC-12 A • at 230 V A 6 • at 230 V A 6 • at 24 V A 6 • at 220 V A 0.3 Contact ellability	Type of voltage	_	AC
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• at 125 V • at 220 VA0.9Contact reliability of the auxiliary contactsA0.3UL/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:	• at 60 V	А	2
	• at 110 V	А	1
Contact reliability of the auxiliary contacts 0.00000001 UL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit:	• at 125 V	А	0.9
UL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit:	• at 220 V	А	0.3
Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: A600 / Q600	Contact reliability of the auxiliary contacts		0.0000001
Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: A600 / Q600	UL/CSA ratings:		
			A600 / Q600
	Short-circuit:		
	Design of the fuse link		

• for short-circuit protection of	f the main circuit
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- with type of assignment 1 required

• for short-circuit protection of the auxiliary switch required

gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 200 A fuse gL/gG: 10 A

nstallation/ 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 according to DIN EN 50022
Height	mm	114
Width	mm	65
Depth	mm	130
Required spacing		
 with side-by-side mounting 		
— at the side	mm	10
 for grounded parts 		
— at the side	mm	10
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		
— solid		2x (0.75 16 mm²)
— stranded		2x (16 35 mm²), 1x (16 50 mm²)
— single or multi-stranded		2x (1 35 mm²), 1x (1 50 mm²)
— finely stranded with core end processing		2x (1 25 mm²), 1x (1 35 mm²)
 for auxiliary contacts 		
— solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— single or multi-stranded		2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 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), 2x 12
Type of minimum connectable cross-section for main	-	
contacts at AC-6b		
● at 40 °C		1x 50 mm²
● at 60 °C		2x 35 mm²
afety related data:		
Product function Mirror contact acc. to IEC 60947-4-1		No
Protection against electrical shock		finger-safe

Size of contactor		S2
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
 during operation 	°C	-25 +60
 during storage 	°C	-55 +80
Certificates/ approvals:	_	

General Product Approval	other
SPE ERE	Environmental Confirmations

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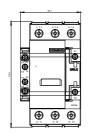
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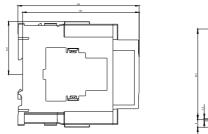
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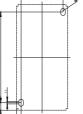
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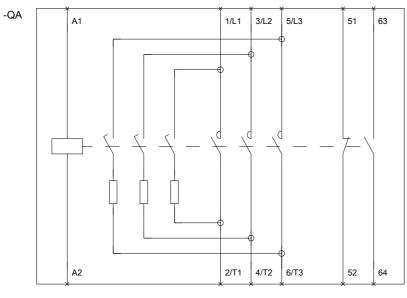
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