SIEMENS

Data sheet

3RT2637-1AF03



CONTACTOR, AC-6B, 75KVAR/400V, 1NO+1NC, 110V 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 		3 000 000	
block typical			
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 voltageControl supply voltage with AC• at 50 Hz Rated value• Rated value• Rated valueOperating range factor control supply voltage rated value of the magnet coil with AC• at 50 HzApparent pick-up power of the magnet coil with AC• at 50 HzApparent holding power of the magnet coil with AC• with closing power of the coil• with the holding power of the coil• with the holding power of the coil• with the holding power of the coil• for auxiliary contacts- attachable- instantaneous contactNumber of NC contacts• for auxiliary contacts- attachable- instantaneous contactNumber of NO contacts• for auxiliary contacts- attachable- instantaneous contactProduct expansion Auxiliary switchIdentification number and letter for switching elementsOperating current of the auxiliary contacts at AC-12 maximum• at 230 VA	AC 110110 50 0.81.1 190 16 0.72 0.37 1 1 1 1 1 1 Yes		
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elementsOperating current of the auxiliary contacts at AC-12 maximumAOperating current of the auxiliary contacts at AC-15	165		
maximum Operating current of the auxiliary contacts at AC-15	1S+1Ö		
	10		
• at 230 V A			
	6		
• at 400 V A	3		
Operating current of the auxiliary contacts at DC-13			
• at 24 V A	6		
• at 60 V A	2		
• at 110 V A	1		
• at 125 V A	0.9		
• at 220 V A	0.3		
Contact reliability of the auxiliary contacts	0.0000001		
UL/CSA ratings:			
Contact rating of the auxiliary contacts acc. to UL	A600 / Q600		
Short-circuit:			
Design of the fuse link			

• for short-circuit protection	of 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

Surface: can be lilted forward and to 22.5° on vertical mounting surface Wounting type screw and snap-on mounting onto it mounting rail according to DIN EN Height mm 114 With mm 130 Required spacing with side-by-side mounting 10 • with side-by-side mounting mm 10 • at the side mm 10 • for grounded parts mm 10 • at the side mm 10 • for main current circuit screw-type terminals • for main current circuit screw-type terminals • for main contacts - solid 2x (0.75 16 mm ³) - stranded 2x (1 35 mm ³), 1x (1 50 mm ³) 2x (1 35 mm ³), 1x (1 50 mm ³) • finely stranded with core end processing 2x (0.5 1.5 mm ³), 2x (0.75 2.5 - single or multi-stranded - single or multi-stranded 2x (0.5 1.5 mm ³), 2x (0.75 2.5 - finely stranded with core end processing 2x (2 0.5 1.5 mm ³), 2x (0.75 2.5 • for AWG conductors for auxiliary contacts 2x (2 0.5 1.5 mm ³), 2x (0.75 2.5 - finely stranded with core end processing 2x (2 0.5 1.5 mm ³), 2x (0.75 2.5 • for AWG conductors for au	surface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surfacesingle or multi-strandedsurface; can be tilled forward and backward by +/ 22.5° on vertical mounting surface
Mounting type 22.5° on vertical mounting surface Mounting type screw and snap-on mounting on to a mounting rail according to DIN EN Height mm 114 Width mm 65 Depth mm 130 Required spacing mm 10 • with side-by-side mounting mm 10 - at the side mm 10 • for grounded parts mm 10 - at the side mm 10 • for grounded parts mm 10 - at the side mm 10 • for grounded parts mm 10 • for grounded parts mm 10 • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary contacts 2x (0.75 16 mm²) - solid 2x (1 35 mm²), 1x (1 6 50 mm²) - single or multi-stranded 2x (0, 5 1.5 mm²), 2x (0.75 2.5 - single or multi-stranded 2x (0, 5 1.5 mm²), 2x (0.75 2.5 - single or multi-stranded 2x (0, 5 15 mm²), 2x (0.75 2.5	unting type22.5° on vertical mounting surfacescrew and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022ightmmdthmmdthmmdthmmdthmmquired spacingmm• with side-by-side mounting - at the sidemm- at the sidemm• for grounded parts - at the sidemm- at the sidemm• for grounded parts - at the sidemm10• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for main controls2x (0.75 16 mm²)- solid2x (1 35 mm²), 1x (1 50 mm²)- single or multi-stranded - single or multi-stranded - finely stranded with core end processing2x (1 25 mm²), 1x (1 35 mm²)
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Required spacing • with side-by-side mounting - at the sidemm10• for grounded parts - at the sidemm10• for grounded parts - at the sidemm10• for grounded partsmm10• at the sidemm10Connections/ Terminals:screw-type terminalsType of electrical connection • for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminalsType of connectable conductor cross-section • for main contacts - solid - stranded2x (0.75 16 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 2x (0.5 1.5 mm²)	quired spacingmm10• with side-by-side mountingmm10- at the sidemm10• for grounded partsmm10- at the sidemm10• at the sidemm10• at the sidemm10• at the sidemm10• constructions/ Terminals:screw-type terminals• pe of electrical connectionscrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals• for main contacts2x (0.75 16 mm²)- standed2x (1 35 mm²), 1x (16 50 mm²)- single or multi-stranded2x (1 35 mm²), 1x (1 50 mm²)- finely stranded with core end processing2x (1 25 mm²), 1x (1 35 mm²)
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 for auxiliary and control current circuit Type of connectable conductor cross-section for main contacts solid stranded stranded single or multi-stranded for auxiliary contacts solid for auxiliary contacts solid single or multi-stranded for auxiliary contacts solid for auxiliary contacts single or multi-stranded for AWG conductors for auxiliary contacts for AWG conductors for auxiliary contacts at 40 °C at 40 °C at 40 °C at 60 °C 	 for auxiliary and control current circuit for auxiliary and control current circuit screw-type terminals screw-type terminals 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)
Type of connectable conductor cross-section• for main contacts- solid- stranded- single or multi-stranded- finely stranded with core end processing• for auxiliary contacts- solid- solid- single or multi-stranded- finely stranded with core end processing- for AWG conductors for auxiliary contacts2x (20 16), 2x (18 14), 2x 12Type of minimum connectable cross-section for main contacts at AC-6b• at 40 °C• at 40 °C• at 60 °C2x 35 mm²	pe of connectable conductor cross-section• for main contacts- solid- solid- stranded- single or multi-stranded- finely stranded with core end processing2x (1 25 mm²), 1x (1 35 mm²)
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Safety related data:	• at 40 °C 1x 50 mm ²
	• at 60 °C 2x 35 mm ²
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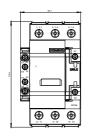
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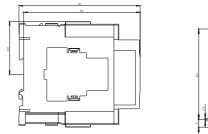
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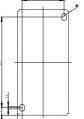
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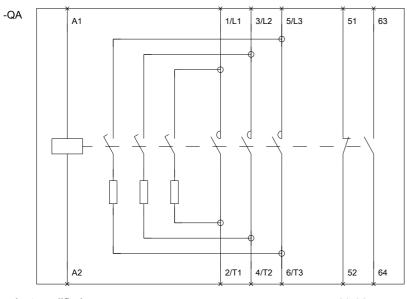
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