# **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)	_	
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>		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
• at 50 Hz Rated value     V     230 230       • Rated value     Hz     50       Operating range factor control supply voltage rated value of the magnet coll with AC     0.8 1.1       • at 50 Hz     0.8 1.1       Apparent pickup power of the magnet coll with AC     V.A     190       Apparent pickup power of the magnet coll with AC     V.A     190       • with closing power of the coll     0.72     0.37       • with closing power of the coll     0.37     0.37       Auxiliary criticut     0.72     0.37       Auxiliary contacts     1     1       • in stantaneous contact     1     1       • for auxiliary contacts     1     1       • in stantaneous contact     1     1       Product expansion Auxiliary sontacts     1     1       • in stantaneous contact     1     1       Product expansion Auxiliary sontacts at AC-12     A     10       • at 230 V     A     6     3       • at 60 V     A     2     4       • at 60 V     A     6     3       • at 60 V     A     1     3       • at 60 V     A     0.93     3       • at 220 V     A     0.93     3       • at 60 V     A     1	Type of voltage of the control supply voltage		AC
• Rated value       Hz       50         Operating range factor control supply voltage rated value of the magnet coil with AC       0.81.1         • at 50 Hz       0.81.1         Apparent fick-up power of the magnet coil with AC       V.A       190         Apparent fick up power of the magnet coil with AC       V.A       16         Inductive power factor       0.72       0.72         • with closing power of the coil       0.72       0.72         • with the holding power of the coil       1       1         • of rauxiliary contacts       1       1         - attachable       1       1         - instantaneous contact       1       1         Number of No contacts       1       1         - attachable       1       1         - instantaneous contact       1       1         Product expansion Auxiliary contacts at AC-12       A       1         - attachable       1       1       1         - instantaneous contact       1       1       1         Operating current of the auxiliary contacts at AC-12       A       6       3         otachable       1       1       1       1         - i at230 V       A       6       3<	Control supply voltage with AC	-	
Orerating range factor control supply voltage rated value of the magnet coil with AC         0.81.1           • at 50 Hz         0.81.1           Apparent pick-up power of the magnet coil with AC         V.A         180           Apparent pick-up power of the magnet coil with AC         V.A         180           Inductive power factor         0.72         0.72           • with closing power of the coil         0.37           Auxiliary contacts         1         1           - attachable         1         1           - instantaneous contact         1         1           Number of NC contacts         1         1           - attachable         1         1           - instantaneous contact         1         1           Product expansion Auxiliary switch         Yes         1           Identification number and letter for switching elements         1         1           Operating current of the auxiliary contacts at AC-12 maximum         A         6           • at 20 V         A         6         3           • at 20 V         A         6         3           • at 60 V         A         1         3           • at 60 V         A         0.3         3           •	• at 50 Hz Rated value	V	230 230
value of the magnet coil with AC         0.81.1           Apparent plok-up power of the magnet coil with AC         VA         190           Apparent plok-up power of the magnet coil with AC         VA         16           Inductive power factor         0.72         0.37           • with the holding power of the coil         0.37         0.37           Auxiliary circuit         1         0.37           Auxiliary contacts         1         1           - a tatchable         1         1           - instantaneous contact         1         1           Number of NC contacts         1         1           - a tatchable         1         1           - a tatchable         1         1           - attachable	● Rated value	Hz	50
• at 50 Hz0.811Apparent pick-up power of the magnet coll with ACVA190Apparent holding power of the magnet coll with ACVA16Inductive power factor0.720.37• with he holding power of the coll0.37• with he holding power of the coll0.37• with he holding power of the coll0.37• for auxiliary contacts1- attachable1- instantaneous contact1• for auxiliary contacts1- attachable1- instantaneous contact1Product expansion Auxiliary switchYesIdentification number and letter for switching elements1Operating current of the auxiliary contacts at AC-12 maximumAOperating current of the auxiliary contacts at AC-13 • at 20 VA• at 24 VA• at 24 VA• at 24 VA• at 24 VA• at 20 VA <t< td=""><td>Operating range factor control supply voltage rated</td><td>-</td><td></td></t<>	Operating range factor control supply voltage rated	-	
Apparent pick-up power of the magnet coil with ACVA190Apparent holding power of the magnet coil with ACVA16Inductive power factor0.72• with closing power of the coil0.72• with closing power of the coil0.37Auxiliary circuit1Number of NC contacts1- attachable1- instantaneous contact1Number of NO contacts1- attachable1- instantaneous contact1Number of NO contacts1- instantaneous contact1Product expansion Auxiliary switchYesIdentification number and letter for switching elements15+10Operating current of the auxiliary contacts at AC-12 • at 230 VA• at 24 VA6• at 60 VA3Operating current of the auxiliary contacts at AC-13 • at 230 VA• at 60 VA3Operating current of the auxiliary contacts at AC-13 • at 230 VA• at 10 VA3Operating current of the auxiliary contacts at DC-13 • at 230 VA• at 60 VA3• at 10 VA0.9• at 125 V • at 125	value of the magnet coil with AC		
Apparent holding power of the magnet coll with ACVA16Inductive power factor0.72• with closing power of the coll0.37Auxiliary circuit0.37Number of NC contacts1- attachable1- instantaneous contact1Number of NO contacts1- attachable1- instantaneous contact1Number of NO contacts1- attachable1- instantaneous contact1Number of NO contacts1- attachable1- instantaneous contact1Product expansion Auxiliary witchYesIdentification number and letter for switching elements1S+10Operating current of the auxiliary contacts at AC-12 maximumA0 for at 230 VAat 230 VAat 24 VAat 24 VAat 24 VAat 24 VAat 25 VAat 25 VAat 220 VAat 220 VAA0.3Cortact reliability of the auxiliary contacts0.0000001UUCSA relingsAContact reliability of the auxiliary contacts0.0000001	• at 50 Hz		0.8 1.1
Inductive power factor       0.72         • with closing power of the coil       0.37         Auxiliary circuit:       0.37         Auxiliary contacts       1         • for auxiliary contacts       1         - attachable       1         - instantaneous contact       1         Number of NO contacts       1         - attachable       1         - instantaneous contact       1         Number of NO contacts       1         - attachable       1         - instantaneous contact       1         Product expansion Auxiliary witch       Yes         Identification number and letter for switching elements       1S+10         Operating current of the auxiliary contacts at AC-12 maximum       A         Operating current of the auxiliary contacts at AC-13       A         at 200 V       A       3         • at 200 V       A       6         • at 24 V       A       6         • at 24 V       A       6         • at 22 V       A       0.9         • at 220 V       A       0.3         Contact reliability of the auxiliary contacts       0.00000001         UUCSA relings       0.000000001         C	Apparent pick-up power of the magnet coil with AC	V·A	190
• with closing power of the coil0.72• with the holding power of the coil0.37Auxiliary circuit:1• for auxiliary contacts1• of auxiliary contacts1- attachable1- instantaneous contact1• for auxiliary contacts1• for auxiliary contacts1• for auxiliary contacts1- attachable1- instantaneous contact1• for auxiliary contacts1- instantaneous contact1• for auxiliary contacts1- instantaneous contact1• or auxiliary contacts at AC-12A• operating current of the auxiliary contacts at AC-154• at 230 VA• at 200 VA• at 400 VA• at 400 VA• at 24 VA• at 25 VA• at 10 VA• at 220 VA• at		V·A	16
with the holding power of the coil0.37Auxiliary contacts• for auxiliary contacts1- attachable1- instantaneous contact1Number of NO contacts1• for auxiliary contacts1- attachable1- instantaneous contact1Product expansion Auxiliary switchYesIdentification number and letter for switching elements1s+10Operating current of the auxiliary contacts at AC-12 maximumA0 perating current of the auxiliary contacts at AC-13 e at 230 VA• at 24 VA6• at 24 VA6• at 24 VA6• at 20 VA0.9• at 2125 VA0.9• at 220 VA0.3Contact reliability of the auxiliary contacts acc. to ULA600 / Q600Contact rating of the auxiliary contacts acc. to ULMatterA600 / Q600	Inductive power factor		
Auxiliary circuit:         Number of NC contacts       1         • for auxiliary contacts       1         - instantaneous contact       1         Number of NO contacts       1         - instantaneous contact       1         Number of NO contacts       1         - instantaneous contact       1         Product expansion Auxiliary switch       Yes         Identification number and letter for switching elements       1S+10         Operating current of the auxiliary contacts at AC-12 maximum       A       10         Operating current of the auxiliary contacts at AC-13       A       6         • at 400 V       A       3       3         Operating current of the auxiliary contacts at DC-13       A       6         • at 230 V       A       6       3         • at 24 V       A       6       1         • at 20 V       A       0.9       3         • at 20 V       A       0.9       3         • at 220 V       A       0.3       3         Contact reliability of the auxiliary contacts acc. to UL       A600 / Q600       A600 / Q600	<ul> <li>with closing power of the coil</li> </ul>		0.72
Number of NC contacts       1         • for auxiliary contacts       1         — attachable       1         — instantaneous contact       1         Number of NO contacts       1         • for auxiliary contacts       1         — attachable       1         — instantaneous contact       1         Product expansion Auxiliary switch       Yes         Identification number and letter for switching elements       1S+1Ö         Operating current of the auxiliary contacts at AC-12 maximum       A         Operating current of the auxiliary contacts at AC-15       A         • at 200 V       A       6         • at 200 V       A       6         • at 24 V       A       3         • at 24 V       A       0.9         • at 10 V       A       1         • at 20 V       A       6         • at 20 V       A       6         • at 20 V       A       0.9         • at 20 V       A       0.3         • at 22 V       A       0.3         Contact reliability of the auxiliary contacts       0.00000001         UL/CSA ratings:       Contact rating of the auxiliary contacts acc. to UL       A600 / Q600    <	<ul> <li>with the holding power of the coil</li> </ul>		0.37
• for auxiliary contacts1- attachable1- instantaneous contact1Number of NO contacts1• for auxiliary contacts1- attachable1- attachable1- instantaneous contact1Product expansion Auxiliary switchYessIdentification number and letter for switching15+10elements10Operating current of the auxiliary contacts at AC-12 maximumA0 for auxiliary contacts at AC-12 maximumA0 for auxiliary contacts at AC-15 • at 230 VA• at 24 VA• at 60 VA• at 10 VA• at 22 VA• at 220 VA• at 230 VA </td <td>Auxiliary circuit:</td> <td></td> <td></td>	Auxiliary circuit:		
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Number of N0 contacts       1         - attachable       1         - instantaneous contact       1         Product expansion Auxiliary switch       Yes         Identification number and letter for switching elements       15×10         Operating current of the auxiliary contacts at AC-12 maximum       A       10         Operating current of the auxiliary contacts at AC-12 maximum       A       6         Operating current of the auxiliary contacts at AC-12 maximum       A       6         Operating current of the auxiliary contacts at AC-12 maximum       A       6         Operating current of the auxiliary contacts at AC-12 maximum       A       6         Operating current of the auxiliary contacts at AC-12 maximum       A       6         Operating current of the auxiliary contacts at DC-13       -       -         • at 200 V       A       6       -         • at 24 V       A       6       -         • at 10 V       A       1       -         • at 220 V       A       0.9       -         • at 220 V       A       0.3       -         Contact reliability of the auxiliary contacts acc. to UL       A600 / Q600       -         Short-circuit:        -       - </td <td>— attachable</td> <td></td> <td>1</td>	— attachable		1
• for auxiliary contacts1- attachable1- instantaneous contact1Product expansion Auxiliary switchYesIdentification number and letter for switching elements1Operating current of the auxiliary contacts at AC-12 maximumA10Operating current of the auxiliary contacts at AC-15 • at 230 VA6• at 400 VA33Operating current of the auxiliary contacts at DC-13 • at 400 VA6• at 24 V • at 60 VA2• at 10 VA1• at 25 V • at 125 V • at 220 VA0.9• at 220 VA0.3Contact reliability of the auxiliary contactsA0.3Contact rating of the auxiliary contacts at c. to ULA600 / Q600Short-circuit:Short-circuit	— instantaneous contact		1
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Identification number and letter for switching elements1S+1ÖOperating current of the auxiliary contacts at AC-12 maximumA10Operating current of the auxiliary contacts at AC-15 • at 230 VA6• at 400 VA33Operating current of the auxiliary contacts at DC-13 • at 24 VA6• at 24 VA6• at 25 VA1• at 125 VA0.9• at 220 VA0.3Contact reliability of the auxiliary contactsI0.0000001UL/CSA ratings:Short-circuit:	— instantaneous contact		1
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Operating current of the auxiliary contacts at AC-12 maximumA10Operating current of the auxiliary contacts at AC-15 • at 230 VA6• at 400 VA3Operating current of the auxiliary contacts at DC-13 • at 24 VA6• at 24 VA6• at 24 VA1• at 25 VA1• at 220 VA0.9• at 220 VA0.3UL/CSA ratingsUL/CSA rating of the auxiliary contacts acc. to ULA Solo / Q600A0.9	Identification number and letter for switching	-	1S+1Ö
maximumImage: contracts at AC-15• at 230 VA• at 230 VA• at 400 VAOperating current of the auxiliary contacts at DC-13• at 24 VA• at 24 VA• at 60 VA• at 110 VA• at 125 VA• at 220 VAOntact reliability of the auxiliary contactsIOutputAOutputA• at 220 VA• at 220 V<			
• at 230 VA6• at 400 VA3Operating current of the auxiliary contacts at DC-13-• at 24 VA6• at 60 VA2• at 10 VA1• at 125 VA0.9• at 220 VA0.3Contact reliability of the auxiliary contactsUL/CSA ratings:Short-circuit:		A	10
• at 400 VA3Operating current of the auxiliary contacts at DC-13.• at 24 VA6• at 24 VA2• at 60 VA2• at 10 VA1• at 125 VA0.9• at 220 VA0.3OU/CSA ratings:UL/CSA rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:	Operating current of the auxiliary contacts at AC-15	_	
Operating current of the auxiliary contacts at DC-13A6• at 24 VA6• at 60 VA2• at 110 VA1• at 125 VA0.9• at 220 VA0.3Contact reliability of the auxiliary contacts0.00000001UL/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:	• at 230 V	А	6
• at 24 VA6• at 60 VA2• at 110 VA1• at 125 VA0.9• at 220 VA0.3UL/CSA ratings:UL/CSA rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:	• at 400 V	А	3
• at 60 VA2• at 10 VA1• at 125 VA0.9• at 220 VA0.3Contact reliability of the auxiliary contacts0.00000001UL/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA 600 / Q600A600 / Q600	Operating current of the auxiliary contacts at DC-13		
<ul> <li>at 110 V</li> <li>at 110 V</li> <li>at 125 V</li> <li>at 220 V</li> <li>Contact reliability of the auxiliary contacts</li> <li>UL/CSA ratings:</li> <li>Contact rating of the auxiliary contacts acc. to UL</li> <li>A600 / Q600</li> </ul>	• at 24 V	А	6
• 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		
<ul> <li>with side-by-side mounting</li> </ul>		
— at the side	mm	10
<ul> <li>for grounded parts</li> </ul>		
— at the side	mm	10
connections/ Terminals:		
Type of electrical connection	_	
for main current circuit		screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		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)
<ul> <li>for auxiliary contacts</li> </ul>		
— 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)
<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>		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		
<ul> <li>during operation</li> </ul>	°C	-25 +60
<ul> <li>during storage</li> </ul>	°C	-55 +80
Certificates/ approvals:	_	

General Product Approval	other
SPE ERE	Environmental Confirmations

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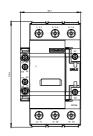
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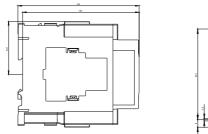
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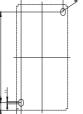
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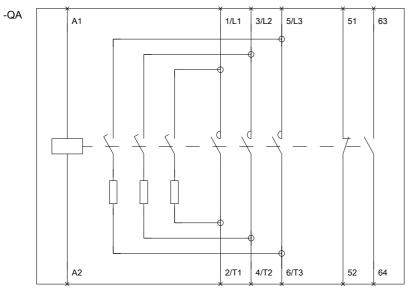
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