SIEMENS

Data sheet

3RT1065-6AT36



CONTACTOR, 132KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 575-600V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS CONVENT. OPERATING MECHANISM SCREW TERMINAL

Figure similar		
product brand name		SIRIUS
Product designation		power contactor
General technical data:		
Insulation voltage		
Rated value	V	1 000
Degree of pollution		3
Surge voltage resistance Rated value	kV	8
Mechanical service life (switching cycles)		
 of the contactor typical 		10 000 000
of the contactor with added electronics-		5 000 000
compatible auxiliary switch block typical		10 000 000
 of the contactor with added auxiliary switch block typical 		
Thermal short-time current restricted to 10 s	А	2 400
Protection class IP		
• on the front		IP00
• of the terminal		IP00
Equipment marking		
• acc. to DIN EN 61346-2		Q
• 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 current		

	● at AC-1		
Rated valueA-up to 660 V at ambient temperature 40 °C Rated valueA300-up to 660 V at ambient temperature 60 °C Rated valueA300-up to 680 V at ambient temperature 60 °C Rated valueA300-ut 400 V Rated valueA265-ut 400 V Rated valueA200-ut 400 V Rated valueA300-ut 24 V Rated valueA300-ut 10 V Rated va		А	330
Rated valueA300- up to 690 V at ambient temperature 60 °CA300Rated valueA265- at 400 V Rated valueA265- at 690 V Rated valueA230Operating current with 1 current pathA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 124 V Rated valueA300- at 124 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300			
	— up to 690 V at ambient temperature 40 °C	А	330
Rated valueImage: state valueImage: state value- at 400 V Rated valueA265- at 690 V Rated valueA280Operating ournent with 1 current pathImage: state valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 240			
• at AC-3 Image: Constraint of the second of the secon	— up to 690 V at ambient temperature 60 $^\circ C$	А	300
- at 400 V Rated valueA265- at 690 V Rated valueA265• at AC-4 at 400 V Rated valueA230Operating current with 1 current path at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300 </td <td>Rated value</td> <td></td> <td></td>	Rated value		
	• at AC-3		
at AC-4 at 400 V Rated value A 230 Operating current with 1 current path • at DC-1 - 230 - at 24 V Rated value A 300 - at 10 V Rated value A 33 • at DC-3 at DC-5 - - - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rate	— at 400 V Rated value	А	265
Operating current with 1 current path	— at 690 V Rated value	А	265
• at DC-1 A 300 - at 24 V Rated value A 33 • at DC-3 at DC-5 - - - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 a	 at AC-4 at 400 V Rated value 	А	230
- at 24 V Rated valueA300- at 110 V Rated valueA33• at DC-3 at DC-5 at 24 V Rated valueA300- at 110 V Rated valueA3• at DC-1 at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueKW131- at 24 V Rated valueKW	Operating current with 1 current path		
- at 11 0 V Rated value A 33 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 10 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 40 V Rated value A 300 - at 24 V Rated value A <	● at DC-1		
at DC-3 at DC-5Image: Constraint of the c	— at 24 V Rated value	А	300
	— at 110 V Rated value	А	33
In the instrument — at 110 V Rated valueA3Operating current with 2 current paths in series • at DC-1	• at DC-3 at DC-5		
Operating current with 2 current paths in seriesImage: current with 2 current paths in series• at DC-1	— at 24 V Rated value	А	300
• at DC-1 A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 • at DC-3 at DC-5 - - - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 • at DC-1 - - - at 24 V Rated value A 300 • at DC-1 - - - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at AC-1 at 400 V Rated value	— at 110 V Rated value	А	3
- at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 10 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 Operating current with 3 current paths in series - - - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value KW 151 - at AC-1 - <td>Operating current with 2 current paths in series</td> <td>-</td> <td></td>	Operating current with 2 current paths in series	-	
at 110 V Rated valueA300 at 110 V Rated valueA300 at 24 V Rated valueA300 at 24 V Rated valueA300Operating current with 3 current paths in series	• at DC-1		
• at DC-3 at DC-5-A300- at 110 V Rated valueA300- at 24 V Rated valueA300Operating current with 3 current paths in series at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueKW197- at AC-1 at 400 V Rated valueKW132 000- at AC-1 at 400 V Rated valueKW132 000- at AC-1 at 230 V at 60 °C Rated valueKW113- at 690 V at 60 °C Rated valueKW340- at 690 V Rated valueKW340	— at 24 V Rated value	А	300
- at 110 V Rated valueA300- at 24 V Rated valueA300Operating current with 3 current paths in series at DC-1 at 24 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueKW197- at AC-1 at 400 V Rated valueKW151- at AC-2 at 400 V Rated valueW132 000Operating power at 230 V at 60 °C Rated valueKW113- at 690 V Rated valueKW340	— at 110 V Rated value	А	300
at 24 V Rated valueA300Operating current with 3 current paths in series at 24 V Rated valueA300 at 24 V Rated valueA300 at 110 V Rated valueA300 at 24 V Rated valueA300 at 24 V Rated valueA197 at 400 V Rated valueKW197 at AC-1 at 400 V Rated valueKW132 000Operating power	• at DC-3 at DC-5		
Operating current with 3 current paths in seriesImage: current with 3 current paths in series• at DC-1A- at 24 V Rated valueA- at 110 V Rated valueA• at DC-3 at DC-5 at 110 V Rated valueA- at 110 V Rated valueA- at 24 V Rated valueA0perating power-• at AC-1 at 400 V Rated valueKW• at AC-2 at 400 V Rated valueKW• at AC-4 at 400 V Rated valueW• at AC-4 at 400 V Rated valueW• at AC-1 at 230 V at 60 °C Rated valueKW- at 690 V at 60 °C Rated valueKW- at 690 V Rated valueKW at 690 V Rated valueKW	— at 110 V Rated value	А	300
 at DC-1 at 24 V Rated value - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 10 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 Operating power - at AC-1 at 400 V Rated value KW 197 - at AC-1 at 400 V Rated value KW 151 - at AC-4 at 400 V Rated value W 132 000 Operating power - at 230 V at 60 °C Rated value KW 113 - at 690 V at 60 °C Rated value KW 340 	— at 24 V Rated value	А	300
- at 24 V Rated valueA300- at 110 V Rated valueA300• at DC-3 at DC-5 at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300• at AC-1 at 400 V Rated valueKW197• at AC-2 at 400 V Rated valueKW151• at AC-2 at 400 V Rated valueW132 000• at AC-4 at 400 V Rated valueKW113• at AC-1• at AC-1 at 690 V at 60 °C Rated valueKW340- at 690 V Rated valueKW340	Operating current with 3 current paths in series		
- at 110 V Rated valueA300• at DC-3 at DC-5 at 110 V Rated valueA at 24 V Rated valueA at 24 V Rated valueA.• at AC-1 at 400 V Rated valueKW.• at AC-2 at 400 V Rated valueKW.• at AC-2 at 400 V Rated valueW.• at AC-4 at 400 V Rated valueW.• at AC-4 at 400 V Rated valueW.• at AC-1 at 230 V at 60 °C Rated valueKW at 690 V at 60 °C Rated valueKW at 690 V Rated value	● at DC-1		
• at DC-3 at DC-5 - A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 • at 24 V Rated value A 300 Operating power - - • at AC-1 at 400 V Rated value KW 197 • at AC-2 at 400 V Rated value KW 151 • at AC-4 at 400 V Rated value W 132 000 Operating power - - • at AC-1 - - • at AC-1 - - - at 230 V at 60 °C Rated value KW 113 - at 690 V rated value KW 340	— at 24 V Rated value	А	300
- at 110 V Rated valueA300- at 24 V Rated valueA300Operating power at AC-1 at 400 V Rated valueKW197- at AC-2 at 400 V Rated valueKW151- at AC-4 at 400 V Rated valueW132 000Operating power at AC-1 at 230 V at 60 °C Rated valueKW113- at 690 V Rated valueKW340- at 690 V Rated valueKW340	— at 110 V Rated value	А	300
at 24 V Rated valueA300Operating power at AC-1 at 400 V Rated valuekW197- at AC-2 at 400 V Rated valuekW151- at AC-4 at 400 V Rated valueW132 000Operating power at AC-1 at 230 V at 60 °C Rated valuekW113- at 690 V Rated valuekW340- at 690 V Rated valuekW340	• at DC-3 at DC-5		
Operating power-• at AC-1 at 400 V Rated valuekW197• at AC-2 at 400 V Rated valuekW151• at AC-4 at 400 V Rated valueW132 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW113- at 690 V at 60 °C Rated valuekW340- at 690 V Rated valuekW340	— at 110 V Rated value	А	300
• at AC-1 at 400 V Rated valuekW197• at AC-2 at 400 V Rated valuekW151• at AC-4 at 400 V Rated valueW132 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW113- at 690 V at 60 °C Rated valuekW340- at 690 V Rated valuekW340	— at 24 V Rated value	А	300
 at AC-2 at 400 V Rated value at AC-4 at 400 V Rated value W 151 132 000 Operating power at AC-1 - at 230 V at 60 °C Rated value KW 113 - at 690 V at 60 °C Rated value KW 340 	Operating power		
• at AC-4 at 400 V Rated valueW132 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW113 at 690 V at 60 °C Rated valuekW340 at 690 V Rated valuekW340	• at AC-1 at 400 V Rated value	kW	197
Operating powerImage: Comparison of the c	• at AC-2 at 400 V Rated value	kW	151
• at AC-1 - at 230 V at 60 °C Rated value kW 113 - at 690 V at 60 °C Rated value kW 340 - at 690 V Rated value kW 340	• at AC-4 at 400 V Rated value	W	132 000
- at 230 V at 60 °C Rated value kW 113 - at 690 V at 60 °C Rated value kW 340 - at 690 V Rated value kW 340	Operating power		
at 690 V at 60 °C Rated valuekW340 at 690 V Rated valuekW340	• at AC-1		
— at 690 V Rated value kW 340	— at 230 V at 60 °C Rated value	kW	113
	— at 690 V at 60 °C Rated value	kW	340
• at AC-3	— at 690 V Rated value	kW	340
	• at AC-3		

— at 230 V Rated value	kW	85
— at 400 V Rated value	kW	151
— at 500 V Rated value	kW	189
— at 690 V Rated value	kW	265
Operating power for \geq 200000 operating cycles at	-	
AC-4		
• at 400 V Rated value	kW	66
• at 690 V Rated value	kW	102
Operating frequency	-	
● at AC-3 maximum	1/h	700
Control circuit/ Control:		
Type of voltage of the control supply voltage		AC/DC
Control supply voltage with AC		
• at 50 Hz Rated value	V	575 600
• at 60 Hz Rated value	V	575 600
Control supply voltage for DC		
Rated value	V	575 600
Rated value	Hz	40
Control supply voltage frequency 2 Rated value	Hz	60
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
Operating range factor control supply voltage rated value of the magnet coil for DC		0.8 1.1
Design of the surge suppressor	-	with varistor
Apparent pick-up power of the magnet coil with AC	V·A	590
Apparent holding power of the magnet coil with AC	V·A	6.7
Closing power of the magnet coil for DC	W	650
Holding power of the magnet coil for DC	W	7.4
Inductive power factor	_	
 with closing power of the coil 		0.9
• with the holding power of the coil		0.9
Auxiliary circuit:		
Number of NC contacts		
 for auxiliary contacts 		
— instantaneous contact		2
Number of NO contacts		
 for auxiliary contacts 		
— instantaneous contact		2
Operating current at AC-15		
• at 230 V Rated value	А	6

 at 400 V Rated value 		
- al 400 V Naleu Value	А	3
Operating current	-	
• at DC-12 at 220 V Rated value	А	1
• at DC-13 at 220 V Rated value	А	0.3
Operating current	_	
• at DC-12		
— at 60 V Rated value	А	6
— at 110 V Rated value	А	3
• at DC-13		
— at 24 V Rated value	А	10
— at 60 V Rated value	А	2
— at 110 V Rated value	А	1
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 		
— with type of assignment 1 required		fuse gL/gG: 500 A
 — with type of assignment 2 required 		fuse gL/gG: 400 A
 for short-circuit protection of the auxiliary switch 		fuse gL/gG: 10 A
required		
Installation/ mounting/ dimensions:		
Mounting type	_	screw fixing
		screw fixing Yes
Mounting type	mm	
Mounting type● Side-by-side mounting	mm	Yes
Mounting type Side-by-side mounting Height	_	Yes 210
Mounting type • Side-by-side mounting Height Width	mm	Yes 210 145
Mounting type • Side-by-side mounting Height Width Depth	mm	Yes 210 145
Mounting type • Side-by-side mounting Height Width Depth Required spacing	mm	Yes 210 145
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts	mm	Yes 210 145 202
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side	mm	Yes 210 145 202
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals:	mm	Yes 210 145 202
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals: Type of electrical connection	mm	Yes 210 145 202 10
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals: Type of electrical connection • for main current circuit	mm	Yes 210 145 202 10 10 screw-type terminals
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit	mm	Yes 210 145 202 10 10 screw-type terminals
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-section	mm	Yes 210 145 202 10 10 screw-type terminals screw-type terminals
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-section • for AWG conductors for main contacts	mm	Yes 210 145 202 10 10 screw-type terminals screw-type terminals
Mounting type • Side-by-side mounting Height Width Depth Required spacing • for grounded parts — at the side Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-section • for AWG conductors for main contacts • for auxiliary contacts	mm	Yes 210 145 202 10 screw-type terminals screw-type terminals 2/0 500 kcmil 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x

ize of contactor				S10		
nbient conditions:				0.000		
nstallation altitude at height above sea level		m	2 000			
naximum						
Ambient temperature			°C	-25 +60		
during operation		°C				
• during storage			C	-55 +60	-55 +80	
ertificates/ approva	ls:					
General Product	Approval				Functional	Declaration of
					Safety/Safety	Conformity
					of Machinery	
		-		2	Type Examination	
(\mathbf{m})	(SP	FAL	(l	JL)		
CCC	CSA	LIIL				EG-Konf.
	CSA			01		
Test Certificates		Shipping A	Shipping Approval			
Special Test	Type Test	SALCAN BURS	9	**		
Certificate	Certificates/Test Report	× O	4		GL	
		ABS			GL	RMRS
other						
Confirmation	Environmental	other				
	Confirmations					
rther information						

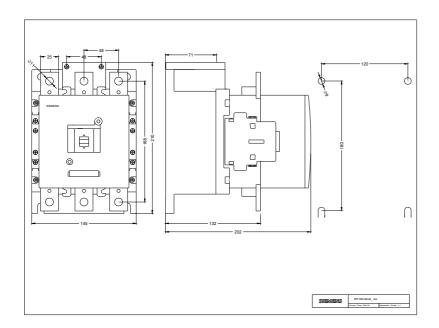
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