SIEMENS

Data sheet

3RT1065-6AF36-3PA0



CONTACTOR, 132KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 110-127V 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- compatible auxiliary switch block typical 		5 000 000
 of the contactor with added auxiliary switch block typical 		10 000 000
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
Aain 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		
Ratied valueA- up to 690 V at ambient temperature 40 °C Rated valueA300- up to 690 V at ambient temperature 60 °C Rated valueA300- up to 690 V at ambient temperature 60 °C Rated valueA265- at 400 V Rated valueA265- at 400 V Rated valueA200• at AC-4 at 400 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated		А	330
Rated valueA- up to 690 V at ambient temperature 60 °CA300Rated valueA265- at 400 V Rated valueA265- at 690 V Rated valueA230Operating current with 1 current path at 24 V Rated valueA300- at 100 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 124 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 100 V Rated valueA300- at 110 V Rated valueA300 <td></td> <td></td> <td></td>			
	— up to 690 V at ambient temperature 40 °C	А	330
Rated value Image: state value Image: state v			
• 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 650 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 24 V Rated valueA300- at 10 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300 <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 C 230 - at 24 V Rated value A 300 - - at 24 V Rated value A 33 - - at DC-3 at DC-5 - - - - at 24 V Rated value A 300 - - at 10 V Rated value A 300 - - at 24 V Rated value A 300 - - at 10 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 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 110 V Rated value	— 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 110 V Rated value A 300 - at 24 V Rated value A 300 - at 10 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 110 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 100 V Rated value A 300 - at 24 V Rated value A 300	 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-5 · · · · · · · · · · · · · · · · · · ·	— 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 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 Operating current with 3 current paths in series - - • at DC-1 - - - - 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 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 KW 197 - - at 24 V Rated value KW 151 - - at AC-1 - - - - - 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 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 24 V Rated valueKW197- at AC-1 at 400 V Rated valueKW132 000Operating power at AC-1 at 400 V Rated valueKW113- at 230 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 - at 24 V Rated value - at 110 V Rated value - at 10 V Rated value - at 110 V Rated value - at 110 V Rated value - at 24 V Rated value - at AC-1 at 400 V Rated value - at AC-4 at 400 V Rated value - at 230 V at 60 °C Rated value - at 690 V at 60 °C Rated value - at 690 V Rated value 	— 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 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 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 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	110 127
• at 60 Hz Rated value	V	110 127
Control supply voltage for DC	_	
Rated value	V	110 127
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		0.8 1.1
value of the magnet coil for DC		
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		0.9
• with closing power of the coil		
 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	A	3		
Operating current				
• at DC-12 at 220 V Rated value	A	1		
• at DC-13 at 220 V Rated value	A	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		
 Side-by-side mounting 		Yes		
Height	mm	210		
Width	mm	145		
Depth	mm	202		
Required spacing				
 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 AWG conductors for main contacts 		2/0 500 kcmil		
 for auxiliary contacts 				
— solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 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), 1x 12		

Mechanical data:		
Size of contactor		S10
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 Product Approval Functional Declaration of** Test Safety/Safety Conformity Certificates of Machinery **Type Examination Special Test** Certificate Test **Shipping Approval** other Certificates other other GL@

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Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

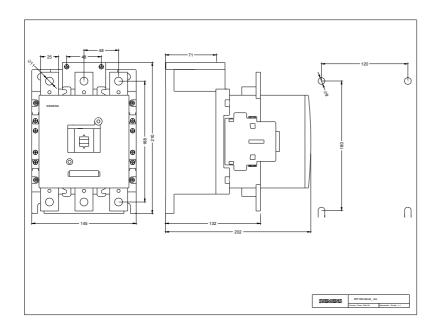
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10656AF363PA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT10656AF363PA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT10656AF363PA0&lang=en





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