# **SIEMENS**

### Data sheet

## 3RT1065-6LA06



CONTACTOR, 132KW/400V/AC-3 WITHOUT COIL AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 MAIN COND.: BAR CONNECTIONS CONVENT. OPERATING MECHANISM AUX. COND.: SCREW TERMINALS

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)	_		
<ul> <li>of the contactor typical</li> </ul>		10 000 000	
<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>		5 000 000	
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>		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	
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 690 V at ambient temperature 60 °CA300Rated 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 path 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 24 V Rated valueA300- at 110 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 110 V Rated valueA300	— at 400 V at ambient temperature 40 °C	А	330
Rated valueA300- up to 690 V at ambient temperature 60 °CA300at Act 4 at 00 V Rated valueA265- at 400 V Rated valueA265- at 600 V Rated valueA230Operating current with 1 current path at 24 V Rated valueA300- at 110 V Rated valueA300- at 124 V Rated valueA300- at 124 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 100 V Rated valueA300- at 24 V Rated valueA300- at 100 V Rated value <td></td> <td></td> <td></td>			
	— up to 690 V at ambient temperature 40 °C	А	330
Rated valueImage: state valueImage: state valueA265- at 400 V Rated valueA265- at 600 V Rated valueA230Operating current with 1 current pathImage: state valueA300- at 24 V Rated valueA33- at 10 V Rated valueA300- at 110 V Rated valueA300- at 124 V Rated valueA300- at 124 V Rated valueA300- at 10 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 124 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- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA3	Rated value		
• at AC-3       Image: Constraint of the second of the secon		А	300
	Rated value		
	• at AC-3		
eta C-C-4 at 400 V Rated valueA230Operating current with 1 current path • at DC-1A300- at 24 V Rated valueA33• at DC-3 at DC-5 at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 124 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 10 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 124 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 24 V Rated valueA300- at 100 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 100 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA	— at 400 V Rated value	А	265
Operating current with 1 current path • at DC-1         A         300           - at 24 V Rated value         A         33           - at 10 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 24 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 10 V Rated value         A         300           - at 10 V Rated value	— 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 10 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 24 V Rated value       A       300         - at 110 V Rated value       A       300         - at 24 V Rated value       A       300         - at	• at AC-4 at 400 V Rated value	А	230
	Operating current with 1 current path		
InterferenceA33- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA3Operating current with 2 current paths in series 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 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 24 V Rated valueA300- at 24 V Rated valueA300- at 400 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 20 V at 60 v Rated valueKW132- at 20 V at 60 °C Rated valueKW113- at 690 V Rated valueKW340	• at DC-1		
• at DC-3 at DC-5I- at 24 V Rated valueA300- at 110 V Rated valueA3Operating current with 2 current paths in seriesI- 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 24 V Rated valueA300- at	— at 24 V Rated value	А	300
- at 24 V Rated valueA300- at 110 V Rated valueA3Operating current with 2 current paths in series • at DC-1 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 10 V Rated valueA300- at 24 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 24 V Rated valueKW151- at 24 V Rated valueKW132- at 400 V Rated valueKW113- at 400 V Rated value<	— at 110 V Rated value	А	33
	• 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 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 valueA- at 10 V Rated valueA- at 110 V Rated valueA- at 24 V Rated valueA- at 100 V Rated valueA- at 24 V Rated valueKW132 000Operating power at 230 V at 60 °C Rated valueKW- at 690 V	— 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 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	— at 110 V Rated value	А	3
- at 24 V Rated valueA300- at 110 V Rated valueA300at 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 110 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 24 V Rated valueKW151- at 400 V Rated valueKW132- at 400 V Rated valueKW113- at 400 V Rated valueKW340- at 690 V Rated valueKW340	Operating current with 2 current paths in series		
A the formed of the original of the formed of the original original of the original or	● at DC-1		
A the trace of the traceA300- at 10 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 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 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 AC-1 at 230 V at 60 °C Rated valueKW113- at 690 V at 60 °C Rated valueKW340	— at 110 V Rated value	А	300
InterventionA300Operating 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 110 V Rated valueA300• at DC-3 - at 110 V Rated valueA300• at DC-3 at DC-5 - at 24 V Rated valueA300- at 110 V Rated valueA300• at AC-1 at 400 V Rated valueA300• 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-1KW113- at 230 V at 60 °C Rated valueKW340- at 690 V Rated valueKW340	• at DC-3 at DC-5		
Operating current with 3 current paths in seriesImage: Constraint of the series• at DC-1A300- 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 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 at 60 °C Rated valuekW340- at 690 V Rated valuekW340	— at 110 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 AC-1 at 400 V Rated value       KW       197         • at AC-2 at 400 V Rated value       KW       132 000         Operating power       -       -         • at AC-1       -       -         • at 690 V at 60 °C Rated value       KW       113         - at 690 V Rated value       KW       340         - at 690 V Rated value       KW	— 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 valueA300Operating power• at AC-1 at 400 V Rated valueKW197• at AC-2 at 400 V Rated valueKW151• at AC-2 at 400 V Rated valueW132 000Operating power• at AC-1• at AC-1 at 230 V at 60 °C Rated valueKW113- 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-5A300- at 110 V Rated valueA300- at 24 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-2 at 400 V Rated valueW132 000Operating power• at AC-1• 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 DC-1		
• at DC-3 at DC-5I300- 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-2 at 400 V Rated valueW132 000Operating power• at AC-1• at AC-1KW113- 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 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
<ul> <li>at AC-2 at 400 V Rated value</li> <li>at AC-4 at 400 V Rated value</li> <li>W 151</li> <li>132 000</li> <li>Operating power</li> <li>at AC-1</li> <li>- at 230 V at 60 °C Rated value</li> <li>KW 113</li> <li>- at 690 V at 60 °C Rated value</li> <li>KW 340</li> <li>- at 690 V Rated value</li> <li>KW 340</li> </ul>	Operating power		
• at AC-4 at 400 V Rated valueW132 000Operating powerImage: Comparison of the state of	• 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	• 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
Rated value	Hz	40
Control supply voltage frequency 2 Rated value	Hz	60
Auxiliary circuit:		
Number of NC contacts		
<ul> <li>for auxiliary contacts</li> </ul>		
— instantaneous contact		2
Number of NO contacts		
<ul> <li>for auxiliary contacts</li> </ul>		
— instantaneous contact		2
Operating current at AC-15	_	
<ul> <li>at 230 V Rated value</li> </ul>	А	6
• at 400 V Rated value	А	3
Operating current	_	
<ul> <li>at DC-12 at 220 V Rated value</li> </ul>	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
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>		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		
<ul> <li>for grounded parts</li> </ul>		
— at the side	mm	10
Connections/ Terminals:		
Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type terminals
Type of connectable conductor cross-section		
<ul> <li>for AWG conductors for main contacts</li> </ul>		2/0 500 kcmil
<ul> <li>for auxiliary contacts</li> </ul>		
— 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	m	2 000
maximum		
Ambient temperature		
<ul> <li>during operation</li> </ul>	°C	-25 +60
during storage	°C	-55 +80
Certificates/ approvals:		

General Produc	ct Approval			Functional Safety/Safety of Machinery	Declaration of Conformity
	CSA CSA		EHC	Type Examination	EG-Konf.
Test Certificates	Shipping App	proval		other	
Special Test Certificate	ABS	GL	RMRS	Environmental Confirmations	Confirmation
other					
other					

#### Further information

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

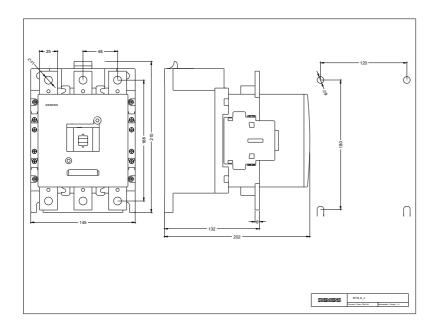
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10656LA06

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT10656LA06/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=3RT10656LA06&lang=en





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