# **SIEMENS**

## Data sheet

## 3RT1064-6AB36-3PA0



CONTACTOR, 110KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 23-26V 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)		
<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	1 800
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 °CA250Rated valueA250- up to 690 V Rated valueA225- at 400 V Rated valueA225- at 690 V Rated valueA195Operating current with 1 current pathA200- at 10 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA25- at 24 V Rated valueA200- at 110 V Rated valueA25- at 24 V Rated valueA200- at 110 V Rated valueA25Operating current with 2 current paths in series at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA<	— at 400 V at ambient temperature 40 °C	А	275
Rated valueA250- up to 690 V at ambient temperature 60 °CA250at Act 4 at 00 V Rated valueA225- at 400 V Rated valueA225- at 600 V Rated valueA225- at Act 4 at 00 V Rated valueA195Operating current with 1 current pathA200- at 110 V Rated valueA200- at 124 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 100 V Rated valueA200- at 100 V Rated valueA200- at 100 V Rated valueA200- at 24 V Rated valueA200- at 200 V Rated valueA200- at 200 V R			
	— up to 690 V at ambient temperature 40 $^\circ C$	А	275
Rated valueImage: status in series- at 400 V Rated valueA- at 690 V Rated valueA225- at 690 V Rated valueA9erating current with 1 current pathImage: status in series- at 24 V Rated valueA- at 24 V Rated valueA<	Rated value		
• at AC-3       Image: Constraint of the second of the secon		А	250
- at 400 V Rated valueA225- at 690 V Rated valueA195Operating current with 1 current path • at DC-1A200- at 24 V Rated valueA200- at 10 V Rated valueA200- at 110 V Rated valueA200- at 124 V Rated valueA200- at 124 V Rated valueA200- at 24 V Rated valueA200- at 10 V Rated valueA200- at 10 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW110 000- at 24 V Rated valueKW110 000- at 250 V rated value			
at AC-4 at 400 V Rated valueA195Operating current with 1 current path • at DC-1A200- at 24 V Rated valueA18• at DC-3 at DC-5A200- at 24 V Rated valueA200- at 10 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 100 V Rated valueA200- at 24 V Rated valueA <td>— at 400 V Rated value</td> <td>A</td> <td></td>	— at 400 V Rated value	A	
Operating current with 1 current path • at DC-1         Image: Constant of the second seco	— at 690 V Rated value	A	225
• at DC-1       A       200         - at 24 V Rated value       A       18         • at DC-3 at DC-5       -       -         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 10 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         - at 4 V Rated value       A       200         - at 4 V Rated value       A       200         - at	• at AC-4 at 400 V Rated value	А	195
- at 24 V Rated valueA200- at 110 V Rated valueA18• at DC-3 at DC-5 at 24 V Rated valueA200- at 110 V Rated valueA2.5Operating current with 2 current paths in series• at DC-1 at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW128- at 24 V Rated valueKW128- at 24 V Rated valueKW283-	Operating current with 1 current path		
	● at DC-1		
• at DC-3 at DC-5A200- at 24 V Rated valueA2.5Operating current with 2 current paths in seriesA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA<	— at 24 V Rated value	А	200
- at 24 V Rated valueA200- at 110 V Rated valueA2.5Operating current with 2 current paths in series • at DC-1 at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueKW164- at 24 V Rated valueKW128- at 24 V Rated valueKW1000Operating power at 250 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283	— at 110 V Rated value	А	18
	• at DC-3 at DC-5		
Operating current with 2 current paths in series         Image: current with 2 current paths in series           • at DC-1         -           - at 24 V Rated value         A         200           - at 110 V Rated value         A         200           • at DC-3 at DC-5         -         -           - at 110 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 10 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 40 V Rated value         KW         164           - at AC-1 at 400 V Rated value         KW         110 000           Operating power         -<	— at 24 V Rated value	А	200
• at DC-1       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         • at DC-3 at DC-5       -       -         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 10 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         - at 40 V Rated value       KW       164         - at 24 V Rated value       KW       128         - at AC-1 at 400 V Rated value       KW       10000         Operating power       -       -       -	— at 110 V Rated value	А	2.5
A200- at 24 V Rated valueA200- at 10 V Rated valueA200- at 10 V Rated valueA200- at 24 V Rated valueA200Operating current with 3 current paths in series at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW164- at 24 V Rated valueKW128- at Act 1 at 230 V at 60 °C Rated valueKW94- at 690 V Rated valueKW283- at 690 V Rated valueKW283	Operating current with 2 current paths in series		
at 110 V Rated value       A       200         - at 10 V Rated value       A       200         - at 10 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         Operating current with 3 current paths in series       -       -         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         - at 10 V Rated value       A       200         - at 410 V Rated value       A       200         - at AC-3 at 400 V Rated value       A       200         - at AC-1 at 400 V Rated value       KW       164         - at AC-4 at 400 V Rated value       KW       110 000         Operating power       -       -         - at 230 V at 60 °C Rated value       KW       94         - at 690 V Rated value       KW       283         - at 690 V Rated	● at DC-1		
at DC-3 at DC-5A200- at 110 V Rated valueA200- at 24 V Rated valueA200Operating current with 3 current paths in series at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW164- at AC-1 at 400 V Rated valueKW110 000- at AC-4 at 400 V Rated valueKW110 000- at AC-1- at 230 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283	— at 24 V Rated value	А	200
- at 110 V Rated valueA200- at 24 V Rated valueA200Operating current with 3 current paths in series • at DC-1 at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW164- at 24 V Rated valueKW128- at 400 V Rated valueW110 000Operating power • at AC-1W110 000- at 230 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283	— at 110 V Rated value	А	200
at 24 V Rated valueA200Operating current with 3 current paths in series • at DC-1 - at 24 V Rated valueA200 at 24 V Rated valueA200 at 110 V Rated valueA200• at DC-3 - at 110 V Rated valueA200• at DC-3 at DC-5 - at 110 V Rated valueA200• at AC-1 • at 24 V Rated valueA200• at AC-1 at 400 V Rated valueA200• at AC-1 at 400 V Rated valueKW164• at AC-2 at 400 V Rated valueKW110 000Operating power • at AC-1 - at 230 V at 60 °C Rated valueKW94- at 690 V Rated valueKW283	• at DC-3 at DC-5		
Operating current with 3 current paths in seriesImage: Constraint of the series• at DC-1A200- at 24 V Rated valueA200- at 110 V Rated valueA200• at DC-3 at DC-5 at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200Operating power• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	— at 110 V Rated value	А	200
• at DC-1       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         • at DC-3 at DC-5       -       -         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         • at AC-1 at 400 V Rated value       KW       164         • at AC-2 at 400 V Rated value       KW       110 000         • at AC-4 at 400 V Rated value       W       110 000         • at AC-1       -       -       -         • at AC-1       KW       94         • at AC-1       KW       283         - at 690 V at 60 °C Rated value       KW       283	— at 24 V Rated value	А	200
at 24 V Rated valueA200 at 110 V Rated valueA200• at DC-3 at DC-5 at 110 V Rated valueA200 at 24 V Rated valueA200 at 24 V Rated valueA200• at AC-1 at 400 V Rated valueKW164• at AC-2 at 400 V Rated valueKW128• at AC-2 at 400 V Rated valueW110 000• at AC-1	Operating current with 3 current paths in series		
- at 110 V Rated valueA200• at DC-3 at DC-5A200- at 110 V Rated valueA200- at 24 V Rated valueA200• at 24 V Rated valueKW164• at AC-1 at 400 V Rated valueKW128• at AC-2 at 400 V Rated valueW110 000• at AC-4 at 400 V Rated valueW1000• at AC-1	• at DC-1		
• at DC-3 at DC-5       -       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         • at 24 V Rated value       A       200         Operating power       -       -         • at AC-1 at 400 V Rated value       KW       164         • at AC-2 at 400 V Rated value       KW       128         • at AC-4 at 400 V Rated value       W       110 000         Operating power       -       -         • at AC-1       -       -         • at AC-1       -       -         - at 230 V at 60 °C Rated value       KW       94         - at 690 V rated value       KW       283         - at 690 V Rated value       KW       283	— at 24 V Rated value	А	200
- at 110 V Rated valueA200- at 24 V Rated valueA200Operating power at AC-1 at 400 V Rated valueKW164- at AC-2 at 400 V Rated valueKW128- at AC-4 at 400 V Rated valueW110 000Operating power at AC-1 at 230 V at 60 °C Rated valueKW94- at 690 V Rated valueKW283- at 690 V Rated valueKW283	— at 110 V Rated value	А	200
at 24 V Rated valueA200Operating power at AC-1 at 400 V Rated valuekW164- at AC-2 at 400 V Rated valuekW128- at AC-4 at 400 V Rated valueW110 000Operating power at AC-1 at 230 V at 60 °C Rated valuekW94- at 690 V Rated valuekW283- at 690 V Rated valuekW283	• at DC-3 at DC-5		
Operating power-• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	— at 110 V Rated value	А	200
• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power- at AC-1- at 600 °C Rated value- at 690 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	— at 24 V Rated value	А	200
<ul> <li>at AC-2 at 400 V Rated value</li> <li>at AC-2 at 400 V Rated value</li> <li>W 128</li> <li>110 000</li> <li>Operating power</li> <li>at AC-1</li> <li>- at 230 V at 60 °C Rated value</li> <li>KW 94</li> <li>- at 690 V at 60 °C Rated value</li> <li>KW 283</li> <li>- at 690 V Rated value</li> <li>KW 283</li> </ul>	Operating power		
• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1 at 230 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	• at AC-1 at 400 V Rated value	kW	164
Operating power • at AC-1kW94- at 230 V at 60 °C Rated valuekW283- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	• at AC-2 at 400 V Rated value	kW	128
• at AC-1 — at 230 V at 60 °C Rated value	• at AC-4 at 400 V Rated value	W	110 000
- at 230 V at 60 °C Rated value       kW       94         - at 690 V at 60 °C Rated value       kW       283         - at 690 V Rated value       kW       283	Operating power		
at 690 V at 60 °C Rated valuekW283 at 690 V Rated valuekW283	• at AC-1		
- at 690 V Rated value kW 283	— at 230 V at 60 °C Rated value	kW	94
	— at 690 V at 60 °C Rated value	kW	283
● at AC-3	— at 690 V Rated value	kW	283
	• at AC-3		

— at 230 V Rated value	kW	73
— at 400 V Rated value	kW	128
— at 500 V Rated value	kW	160
— at 690 V Rated value	kW	223
Operating power for $\geq$ 200000 operating cycles at	-	
AC-4		
• at 400 V Rated value	kW	54
• at 690 V Rated value	kW	82
Operating frequency	_	
• at AC-3 maximum	1/h	500
Control circuit/ Control:		
Type of voltage of the control supply voltage		AC/DC
Control supply voltage with AC	-	
• at 50 Hz Rated value	V	23 26
• at 60 Hz Rated value	V	23 26
Control supply voltage for DC	_	
Rated value	V	23 26
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		
<ul> <li>with closing power of the coil</li> </ul>		0.9
<ul> <li>with the holding power of the coil</li> </ul>		0.9
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		
• 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		
<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		
<ul> <li>Side-by-side mounting</li> </ul>		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)		
<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>		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 Product Approval Functional Declaration of** Test Safety/Safety Conformity Certificates of Machinery **Type Examination Special Test** Certificate Test **Shipping Approval** other Certificates other Environmental



other			
other			

### Further information

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

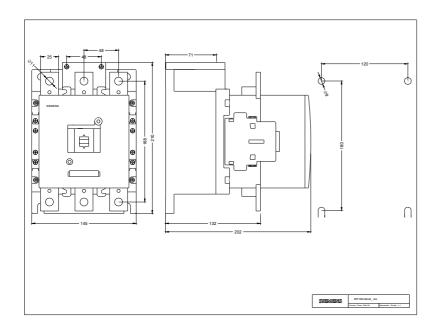
#### Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10646AB363PA0

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