SIEMENS

Data sheet

3RT1065-6AB36-3PA0



CONTACTOR, 132KW/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)				
 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	Α	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		
— at 400 V at ambient temperature 40 °C	Α	330
Rated value		
— up to 690 V at ambient temperature 40 °C	Α	330
Rated value		
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$	Α	300
Rated value		
• at AC-3		
— at 400 V Rated value	Α	265
— at 690 V Rated value	Α	265
● at AC-4 at 400 V Rated value	Α	230
Operating current with 1 current path		
• at DC-1		
— at 24 V Rated value	Α	300
— at 110 V Rated value	Α	33
• at DC-3 at DC-5		
— at 24 V Rated value	Α	300
— at 110 V Rated value	Α	3
Operating current with 2 current paths in series		
• at DC-1		
— at 24 V Rated value	Α	300
— at 110 V Rated value	Α	300
• at DC-3 at DC-5		
— at 110 V Rated value	Α	300
— at 24 V Rated value	Α	300
Operating current with 3 current paths in series		
• at DC-1		
— at 24 V Rated value	Α	300
— at 110 V Rated value	Α	300
• at DC-3 at DC-5		
— at 110 V Rated value	Α	300
— at 24 V Rated value	Α	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 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-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 ≥ 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	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				
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	Α	6

Operating current • at DC-12 at 220 V Rated value • at DC-13 at 220 V Rated value A 0.3 Operating current • at DC-12 — at 60 V Rated value — at 110 V Rated value — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 10 V Rated value A 1 ULCSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • Side-by-side mounting dimensions: Mounting type • Side-by-side mounting • Screw fixing Yes Height mm 210 Width mm 145 Depth mm 202 Required spacing • for grounded parts — at the side mm 10 Connections/ Terminals: Type of dectrical connection • for main current circuit • for auxiliary and control current circuit • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for AWG conductors for main contacts • for AWG conductors for auxiliary contacts	• at 400 V Rated value	Α	3
o at DC-13 at 220 V Rated value operating current o at DC-12 — at 60 V Rated value — at 110 V Rated value — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 10 V Rated value A 1 UL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for oshort-circuit protection of the auxiliary switch required • for gounding type • Side-by-side mounting • Side-by-side mounting • Side-by-side mounting • for grounded parts — at the side mm 20 Required spacing • for grounded parts — at the side mm 10 Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor gross-section • for AWG conductors for main contacts • for auxiliary contacts — solid — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 2.5 mm²), max. 2x (0.75 2.5 mm²), ax (0.75 2.5 mm²)	Operating current	-	
Operating current • at DC-12 — at 60 V Rated value — at 110 V Rated value A 10 — at 24 V Rated value A 2 — at 110 V Rated value A 2 — at 110 V Rated value A 10 — at 26 V Rated value A 1 — at 20 V Rated value A 1 ULCSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required — with type of assignment 2 required fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 10 A Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height mm 210 Width mm 145 Depth Required spacing • for grounded parts — at the side mm 10 Connections/ Terminals: Type of electrical connection • for auxiliary and control current circuit Type of connectable conductor cross-section • for AWG conductors for main contacts • for auxiliary contacts — solid — finely stranded with core end processing A 6 A 10 A 2 A 10 A 2 A 1 Installation/ Mounting Fuse gL/gG: 500 A fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 10 A Fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 500 A fuse gL/gG:	• at DC-12 at 220 V Rated value	Α	1
at DC-12 — at 60 V Rated value — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 60 V Rated value — at 60 V Rated value — at 60 V Rated value — at 110 V Rated value — A 1 ILL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required — with type of assignment 2 required — with type of assignment 2 required — with type of assignment 3 required — with type of assignment 2 required — son A 600 / O A 600 Da 600 / O A 600 Da 600 / O A 600	• at DC-13 at 220 V Rated value	Α	0.3
at 60 V Rated value	Operating current		
- at 110 V Rated value • at DC-13 - at 24 V Rated value - at 60 V Rated value - at 60 V Rated value - at 110 V Rated value - A 2 - A 10 - A 2 - A 500 / Q600 - Short-circuit protection of the main circuit - With type of assignment 1 required - With type of assignment 2 required - Wind the gul/gG: 500 A - Fuse gL/gG: 500 A - Fuse gL/gG: 400 A	• at DC-12		
at 24 V Rated value at 60 V Rated value at 60 V Rated value at 110 V Rated value at 110 V Rated value A 2 at 110 V Rated value A 1 ILICSA ratings: Contact rating of the auxillary contacts acc. to UL Short-circuit. Design of the fuse link for short-circuit protection of the main circuit with type of assignment 1 required with type of assignment 2 required fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 40 A fuse gL/gG: 4	— at 60 V Rated value	Α	6
- at 24 V Rated value - at 60 V Rated value - at 110 V Rated value A 1 UL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit - with type of assignment 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Width	— at 110 V Rated value	Α	3
— at 60 V Rated value — at 110 V Rated value A 1 UL/CSA ratings: Contact rating of the auxillary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch fuse gL/gG: 500 A mit type of assignment 2 required fuse gL/gG: 400 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 400 A fuse gL/gG	• at DC-13		
— at 110 V Rated value DUL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height mm 210 Width Depth mm 202 Required spacing • for grounded parts — at the side mm 10 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 — solid — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 2.5 mm²), max. 2x (0.75 2.5 mm²)	— at 24 V Rated value	Α	10
UL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height mm 210 Width Depth mm 202 Required spacing • for grounded parts — at the side mm 10 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 — solid — finely stranded with core end processing A600 / Q600 fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 10 A ruse gL/gG: 400 A fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 400 A fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 500 A fuse gL/gG: 500 A fuse gL/gG: 400 A	— at 60 V Rated value	Α	2
Contact rating of the auxiliary contacts acc. to UL Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required • with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • Side-by-side mounting/ dimensions: Mounting type • Side-by-side mounting 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 auxiliary and control current circuit Type of connectable conductor cross-section • for AWG conductors for main contacts • for auxiliary contacts — solid — finely stranded with core end processing A 600 / Q600 fuse gL/gG: 500 A fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/g	— at 110 V Rated value	Α	1
Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height mm 210 Width Depth mm 202 Required spacing • for grounded parts — at the side mm 10 Connections/ Terminals: Type of electrical connection • for auxiliary and control current circuit • for auxiliary and control current circuit • for AWG conductors for main contacts • for auxiliary contacts — solid — finely stranded with core end processing fuse gL/gG: 500 A fuse gL/gG: 400 A fu	UL/CSA ratings:		
Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting 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 • for auxiliary and control current circuit Type of connectable conductor cross-section • for AWG conductors for main contacts • for auxiliary contacts — solid — finely stranded with core end processing fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/gG: 500 A fuse gL/gG: 500 A fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/	Contact rating of the auxiliary contacts acc. to UL		A600 / Q600
• for short-circuit protection of the main circuit — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height mm	Short-circuit:		
- with type of assignment 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height Width Depth mm 210 Required spacing • for grounded parts - at the side 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 - solid — finely stranded with core end processing fuse gL/gG: 500 A fuse gL/gG: 400 A fuse gL/ge: 400 A fuse gL/gG: 400 A fuse gL/ge: 400 A fuse gL/gG: 400 A fuse gL/ge: 400 A fuse gL/ge: 400 A fuse gL/gG: 400 A fuse gL/ge: 40	Design of the fuse link		
with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type • Side-by-side mounting Height The peth The peth The side Type of electrical connection • for auxiliary and control current circuit Type of connectable conductor cross-section • for auxiliary contacts — solid — finely stranded with core end processing fuse gL/gG: 400 A fuse gL/gG:	• for short-circuit protection of the main circuit		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: Mounting type	— with type of assignment 1 required fuse gL/gG		fuse gL/gG: 500 A
Installation/ mounting/ dimensions: Mounting type Side-by-side mounting Height Width Pepth Pepth Performance and control current circuit For auxiliary and control current circuit Type of connectable conductor cross-section For AWG conductors for main contacts For auxiliary contacts For auxiliary contacts Finely stranded with core end processing Screw fixing Yes Screw fixing Yes 10 Screw-type Screw-type Screw-type terminals Screw-type terminals Screw-type terminals 2/0 500 kcmil 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	 — with type of assignment 2 required 		fuse gL/gG: 400 A
Installation/ mounting/ dimensions: Mounting type Side-by-side mounting Height Width mm 145 Depth Required spacing for grounded parts at the side mm 10 Connections/ Terminals: Type of electrical connection for main current circuit for auxiliary and control current circuit screw-type terminals Type of connectable conductor cross-section for AWG conductors for main contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for auxiliary definition of the formula of the f	• for short-circuit protection of the auxiliary switch		fuse gL/gG: 10 A
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 — solid — finely stranded with core end processing screw fixing Yes and 210 Socrew fixing Yes Screw fixing Yes and 210 Socrew fixing Yes In 145 Experiments Screw-type terminals screw-type terminals 2/0 500 kcmil 2/0 500 kcmil 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	required		
Side-by-side mounting 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 • for auxiliary and control current circuit Type of connectable conductor cross-section • for AWG conductors for main contacts • for auxiliary contacts — solid — finely stranded with core end processing Yes mm 210 mm 10 Screw-type screw-type terminals screw-type terminals 2/0 500 kcmil 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	Installation/ mounting/ dimensions:		
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Required spacing • for grounded parts — at the side mm 10 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 — solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		mm	
for grounded parts — at the side mm 10 Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit Screw-type terminals Type of connectable conductor cross-section • for AWG conductors for main contacts • for auxiliary contacts — solid Connectable conductor cross-section • for AWG conductors for main contacts — solid Connectable conductor cross-section 2/0 500 kcmil 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)		mm	202
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 • 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) 	— at the side Connections/ Terminals: Type of electrical connection • for main current circuit • for auxiliary and control current circuit	mm	screw-type terminals
— solid	— 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	screw-type terminals screw-type terminals
(0.75 4 mm²) — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	— 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	screw-type terminals screw-type terminals
	— 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	screw-type terminals screw-type terminals 2/0 500 kcmil
• for AWG conductors for auxiliary contacts 2x (20 16), 2x (18 14), 1x 12	— 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	screw-type terminals screw-type terminals 2/0 500 kcmil 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x
	— 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 — solid	mm	screw-type terminals screw-type terminals 2/0 500 kcmil 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)

Mechanical data:				
Size of contactor		S10		
Ambient conditions:				
Installation altitude at height above sea level	m	2 000		
maximum				
Ambient temperature				
during operation	°C	-25 + 60		
during storage	°C	-55 +80		

Certificates/ approvals:

General Prod	luct Approval		Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
(CSA	UL UL	EHE	Type Examination	C E	Special Test Certificate

Test Certificates	Shipping App	roval			other
other	ABS	JÅ DNV	GL®	RMRS	other

other

Environmental Confirmations

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

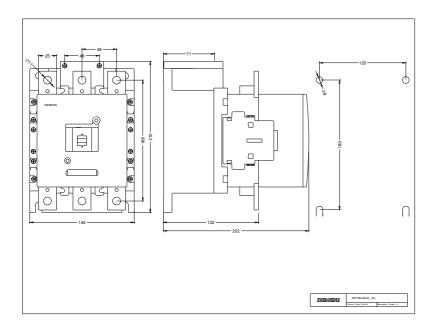
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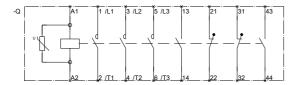
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