SIEMENS

Product data sheet

3RT1026-1BB40



CONTACTOR, AC-3 11 KW/400 V, DC 24 V, 3-POLE, SIZE S0, SCREW CONNECTION

General technical data:		
product brand name		SIRIUS
Size of contactor		SO
Protection class IP / on the front		IP20
Degree of pollution		3
Installation altitude / at height above sea level / maximum	m	2,000
Ambient temperature		
during operation	°C	-25 +60
Mechanical service life (switching cycles)		
of the contactor / typical		10,000,000
of the contactor with added auxiliary switch block / typical		10,000,000
 of the contactor with added electronics-compatible auxiliary switch block / typical 		5,000,000
Main circuit:		
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operating current		
• at AC-1 / up to 690 V		
• at ambient temperature 40 °C / Rated value	А	40
• at ambient temperature 60 °C / Rated value	А	35

	• at AC-3 / at 400 V / Rated value	А	25
Operating currentImage: control path / at DC-1• with 1 current path / at DC-1A• at 24 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 110 V / Rated valueA• at 400 V / Rated valueA• at 400 V / Rated valueA• at 400 V / Rated valueKW• at 400 V / Rated value <td></td> <td></td> <td></td>			
• with 1 current path / at DC-1 A 35 • at 124 V / Rated value A 45 • with 2 current paths in series / at DC-1 - - • at 24 V / Rated value A 35 • with 3 current paths in series / at DC-1 - - • at 10 V / Rated value A 35 • with 3 current paths in series / at DC-1 - - • at 10 V / Rated value A 35 • with 3 current paths in series / at DC-5 - - • with 1 Current path / at DC-3 / at DC-5 - - • at 10 V / Rated value A 25 • with 1 current paths in series / at DC-3 / at DC-5 - - • at 24 V / Rated value A 35 • at 10 V / Rated value A 35 • at 10 V / Rated value A 35 • at 110 V / Rated value A 35 • at 24 V / Rated value A 35 • at 24 V / Rated value KW 36 • at 100 V / Rated value KW 11 • at AC-1 <td></td> <td></td> <td></td>			
• at 24 V / Rated valueA35• at 110 V / Rated valueA4.5• at 24 V / Rated valueA35• at 24 V / Rated valueA35• with 3 current paths in series / at DC-1-• at 24 V / Rated valueA35• with 3 current paths in series / at DC-1-• at 24 V / Rated valueA35• with 3 current paths in series / at DC-3A35• at 110 V / Rated valueA20• with 1 current path / at DC-3 / at DC-5• at 24 V / Rated valueA20• at 110 V / Rated valueA25• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / Rated valueA35• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 40 V / Rated valueA35• at 40 V / Rated valueA35• at 400 V / Rated valueA35• at 400 V / Rated valueA35• at 400 V / Rated valueKW11• at 400 V			
• at 110 V / Rated value A 4.5 • with 2 current paths in series / at DC-1 - • at 124 V / Rated value A 35 • with 3 current paths in series / at DC-1 - • at 24 V / Rated value A 35 • with 3 current paths in series / at DC-1 - - • at 24 V / Rated value A 35 • at 10 V / Rated value A 35 • at 10 V / Rated value A 35 • at 10 V / Rated value A 20 • at 110 V / Rated value A 25 • with 2 current path / at DC-3 / at DC-5 - - • at 10 V / Rated value A 35 • at 10 V / Rated value A 35 • at 24 V / Rated value A 35 • at 24 V / Rated value A 35 • at 24 V / Rated value A 35 • at 400 V / Rated value A 35 • at 400 V / Rated value KW 23 • at 400 V / Rated value KW 11 • at 400 V / Rated value KW 11 • at 400 V / R		А	35
• with 2 current paths in series / at DC-1A35• at 24 V / Rated valueA35• with 3 current paths in series / at DC-1-• at 24 V / Rated valueA35• at 24 V / Rated valueA35• at 10 V / Rated valueA35• at 10 V / Rated valueA20• at 10 V / Rated valueA20• at 10 V / Rated valueA25• with 1 current path / at DC-3 / at DC-5-• at 24 V / Rated valueA35• at 40 V / Rated valueA35• at 400 V / Rated valueKW35• at 400 V / Rated valueKW11• at 400 V / Rated valueKW16 <td></td> <td></td> <td></td>			
• at 24 V / Rated value A 35 • with 3 current paths in series / at DC-1 - • at 24 V / Rated value A 35 • at 100 V / Rated value A 35 • at 110 V / Rated value A 35 Operating current A 35 • with 1 current path / at DC-3 / at DC-5 - - • at 110 V / Rated value A 20 - • at 110 V / Rated value A 25 - • with 2 current paths in series / at DC-3 / at DC-5 - - • at 110 V / Rated value A 35 - • at 110 V / Rated value A 35 - • at 110 V / Rated value A 35 - • at 110 V / Rated value A 35 - • at 42 V / Rated value A 35 - • at 400 V / Rated value KW 23 - • at 400 V / Rated value KW 11 - • at 400 V / Rated value KW 11 - • at 400 V / Rated value KW 11 - • at			
• at 110 V / Rated valueA35• with 3 current paths in series / at DC-1A35• at 110 V / Rated valueA35• at 110 V / Rated valueA35• with 1 current path / Rated valueA20• at 24 V / Rated valueA20• at 110 V / Rated valueA25• with 2 current paths in series / at DC-3 / at DC-5-• at 110 V / Rated valueA35• at 110 V / Rated valueA35• at 24 V / Rated valueA35• at 24 V / Rated valueA35• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 110 V / Rated valueA35• at 400 / Rated valueA35• at 400 / Rated valueKW23• at 400 V / Rated valueKW11• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW16Control circuit/ Control:V16Type of voltage / of the control supply voltageDC </td <td></td> <td>А</td> <td>35</td>		А	35
• with 3 current paths in series / at DC-1A35• at 110 V / Rated valueA35Operating current			
• at 24 V / Rated valueA35• with 1 current path / at DC-3 / at DC-5-• at 24 V / Rated valueA• at 110 V / Rated valueA• at 110 V / Rated valueA• at 110 V / Rated valueA• at 24 V / Rated valueA• at 400 V / Rated valueA• at 400 V / Rated valueKW• at 400 V / Rated valueW• at 400 V / Rated valueW• at 400 V / Rated valueW• at 400 V / Rated value </td <td></td> <td></td> <td></td>			
• at 110 V / Rated valueA35Operating currentA20• at 24 V / Rated valueA20• at 110 V / Rated valueA2.5• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 24 V / Rated valueA35• at 400 V / Rated valueA35• at 400 V / Rated valueKW23• at 400 V / Rated valueKW11• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value or the operating current / per conductorW1.6Control Circuli/ Control:DCDCType of voltage / of the control supply voltageDCControl supply voltageDC		А	35
Operating currentImage: state of the control supply voltageImage: state of the control supply voltage• with 1 current path in series / at DC-5A20• at 110 V / Rated valueA2.5• with 2 current paths in series / at DC-3 / at DC-5A35• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 110 V / Rated valueA35• at 24 V / Rated valueA35• at 424 V / Rated valueA35• at 400 V / Rated valueA35• at 400 V / Rated valueKW23• at 400 V / Rated valueKW11• at 400 V / Rated valueW7,500			
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• at 24 V / Rated valueA20• at 110 V / Rated valueA25• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 24 V / Rated valueA35• at 40 V / Rated valueA35• at 4C-1• at 400 V / Rated valuekW23• at 400 V / Rated valuekW11• at 400 V / Rated valueW7.500Cottrol circuit/ Control:V1.6Cottrol circuit/ Control:DCCottrol supply voltageDCCottrol supply voltageDCCottrol supply voltageCCottrol supply voltageC			
 with 2 current paths in series / at DC-3 / at DC-5 at 24 V / Rated value A at 110 V / Rated value A at 110 V / Rated value A at 24 V / Rated value A at 24 V / Rated value A at 24 V / Rated value A A at 24 V / Rated value A A		А	20
• at 24 V / Rated valueA35• at 110 V / Rated valueA15• with 3 current paths in series / at DC-3 / at DC-5-• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 110 V / Rated valueA35• at AC-1• at 400 V / Rated valueKW23• at 400 V / Rated valueKW11• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:CCType of voltage / of the control supply voltageDCControl supply voltageII	• at 110 V / Rated value	А	2.5
• at 110 V / Rated valueA15• with 3 current paths in series / at DC-3 / at DC-5A35• at 24 V / Rated valueA35• at 110 V / Rated valueA35• at 110 V / Rated valueKW23• at AC-1• at 400 V / Rated valueKW11• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:CCType of voltage / of the control supply voltageDCControl supply voltageIIControl supply voltageIIIIIIIIIIIIIIIIIIIIIIIIIIIII <tr< td=""><td>• with 2 current paths in series / at DC-3 / at DC-5</td><td></td><td></td></tr<>	• with 2 current paths in series / at DC-3 / at DC-5		
• with 3 current paths in series / at DC-3 / at DC-5Image: Constraint of the control supply voltageImage: Constraint of the control supply voltage• at 24 V / Rated valueA35• at 24 V / Rated valueA35• at 10 V / Rated valueKW23• at AC-1KW23• at AC-2HH• at AC-3HH• at 400 V / Rated valueKW11• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:DCControl supply voltageDC	• at 24 V / Rated value	А	35
• at 24 V / Rated valueA35• at 110 V / Rated valueA35Operating power• at AC-1• at AC-1• at 400 V / Rated valuekW23• at AC-2• at 400 V / Rated valuekW11• at AC-3• at 400 V / Rated valuekW11• at 400 V / Rated valuekW11• at 600 V / Rated valueW11• at 600 V / Rated valueW16• at 600 V / Rated valueW1.6• at 600 V / Rated valueU1.6• at 600 V / Rated valueV1.6• at 600 V / Rated valueDC• at 600 V / Rated valueDC• at 600 V / Rated valueDC• at 600 V / Rated valueI• at 600 V / Rated valueDC• at 600 V / Rated valueDC• at 600 V / Rated valueI• at 600 V / Rated valueDC• at 600 V / Rated valueI• at 600 V / Rated valueI• at 600 V / Rated valueDC• at	• at 110 V / Rated value	А	15
• at 110 V / Rated valueA35Operating power	• with 3 current paths in series / at DC-3 / at DC-5		
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• at AC-1KW23• at A00 V / Rated valueKW11• at 400 V / Rated valueKW11• at 690 V / Rated valueKW11• at 690 V / Rated valueW7,500• at 400 V / Rated valueW7,500• at 400 V / Rated valueW1.6• control circuit/ Control:DC• Type of voltage / of the control supply voltageDC• Control supply voltageI	• at 110 V / Rated value	А	35
• at 400 V / Rated valuekW23• at AC-2kW11• at 400 V / Rated valuekW11• at AC-3kW11• at 400 V / Rated valuekW11• at 400 V / Rated valuekW11• at 500 V / Rated valuekW11• at 690 V / Rated valuekW11• at 690 V / Rated valueW7,500• at 400 V / Rated valueW7,500• at 400 V / Rated valueW1.6• at 400 V / Rated valueW1.6• at 400 V / Rated valueDC• at 400 V / Gottage / of the control supply voltageDC	Operating power		
• at AC-2KW11• at 400 V / Rated valuekW11• at 400 V / Rated valuekW11• at 400 V / Rated valuekW11• at 500 V / Rated valuekW11• at 690 V / Rated valuekW11• at 690 V / Rated valueW11• at 400 V / Rated valueW1.6• at 400 V / Rated valueW1.6• at 400 V / Rated valueDC• Control circuit/ Control:DC• Control supply voltageDC	• at AC-1		
• at 400 V / Rated valuekW11• at AC-3kW11• at 400 V / Rated valuekW11• at 500 V / Rated valuekW11• at 690 V / Rated valuekW11• at 690 V / Rated valuekW11• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:Type of voltage / of the control supply voltageDCControl supply voltageImage: Control supply voltageDCControl supply voltageImage: Control supply voltageImage: Control supply voltageControl supply voltageImage: Control supply voltage<	• at 400 V / Rated value	kW	23
• at AC-3KW11• at 400 V / Rated valueKW11• at 500 V / Rated valueKW11• at 690 V / Rated valueKW11• at 690 V / Rated valueW11• at AC-47,500• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:Type of voltage / of the control supply voltageDCControl supply voltageI.6	• at AC-2		
• at 400 V / Rated valuekW11• at 500 V / Rated valuekW11• at 690 V / Rated valuekW11• at AC-4''''''''''''''''''''''''''''''''''''	• at 400 V / Rated value	kW	11
• at 500 V / Rated valueKW11• at 690 V / Rated valueKW11• at AC-411• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:Type of voltage / of the control supply voltageDCControl supply voltageII	• at AC-3		
• at 690 V / Rated valuekW11• at AC-4W7,500• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:Type of voltage / of the control supply voltageDCControl supply voltageIDC	• at 400 V / Rated value	kW	11
• at AC-4W7,500• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:Type of voltage / of the control supply voltageDCControl supply voltageInformation of the control supply voltageDC	• at 500 V / Rated value	kW	11
• at 400 V / Rated valueW7,500Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductorW1.6Control circuit/ Control:Type of voltage / of the control supply voltageDCControl supply voltageII	• at 690 V / Rated value	kW	11
Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductor W 1.6 Control circuit/ Control: Type of voltage / of the control supply voltage DC Control supply voltage Image: Control supply voltage	• at AC-4		
operating current / per conductor Image: Control circuit/ Control: Control circuit/ Control: DC Type of voltage / of the control supply voltage Image: Control supply voltage Control supply voltage Image: Control supply voltage	• at 400 V / Rated value	W	7,500
Type of voltage / of the control supply voltage DC Control supply voltage Image: Control supply voltage		W	1.6
Control supply voltage	Control circuit/ Control:		
	Type of voltage / of the control supply voltage		DC
• for DC / Rated value V 24	Control supply voltage		
	• for DC / Rated value	V	24

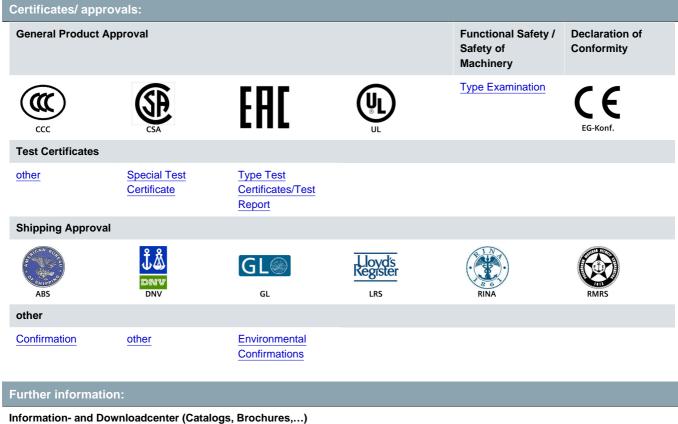
Operating range factor control supply voltage rated value / of the magnet coil		
• for DC		0.8 1.1
Closing power / of the magnet coil / for DC	W	5.4
Holding power / of the magnet coil / for DC	W	5.4

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous contact		0
Number of NO contacts / for auxiliary contacts / instantaneous contact		0
Operating current		
• at AC-12 / maximum	А	10
• at AC-15		
• at 230 V / Rated value	А	6
• at 400 V / Rated value	А	3
Operating current / at DC-12		
• at 60 V / Rated value	А	6
• at 110 V / Rated value	А	3
• at 220 V / Rated value	А	1
Operating current / at DC-13		
• at 24 V / Rated value	А	10
• at 60 V / Rated value	А	2
• at 110 V / Rated value	А	1
• at 220 V / Rated value	А	0.3

Snort-circuit:		
Design of the fuse link		
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A	
 for short-circuit protection of the main circuit 		
 with type of assignment 1 / required 	fuse gL/gG: 100 A	
 with type of assignment 2 / required 	fuse gL/gG: 35 A	

Installation/ mounting/ dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 Mounting type / Side-by-side mounting Yes Width 45 mm Height 85 mm Depth mm 101 Spacing required / for grounded parts 6 mm

Connections/ terminals:	
Design of the 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 main contacts	
• solid	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), max. 2x 10 mm ²
finely stranded	
with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²)
 for AWG conductors / for main contacts 	2x (20 16), 2x (18 14), 1x 12
for auxiliary contacts	
• solid	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²)
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



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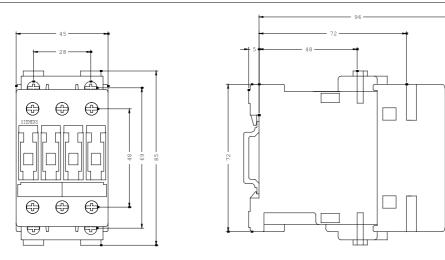
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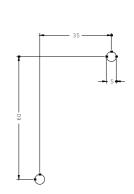
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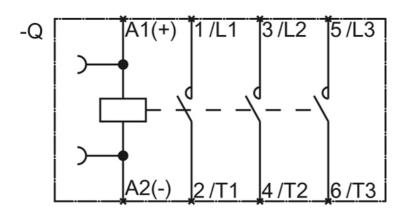
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last change:

Nov 11, 2014