SIEMENS

Product data sheet 3RT1015-1BB41

CONTACTOR, AC-3 3 KW/400 V, 1 NO,
DC 24 V, 3-POLE, SIZE S00,
SCREW CONNECTION

General details:		
product brand name		SIRIUS
product designation		power contactor
Size of the contactor		S00
Protection class IP / on the front		IP20
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature / during operating	°C	-25 … +60
Active power loss / per conductor / typical	W	0.42
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		K
Mechanical operating cycles as operating time		
• of the contactor / typical		30,000,000
• 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 poles / for main current circuit		3

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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 40 °C ambient temperature / rated value	A	18
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	16
Operating current		
• at AC-3 / at 400 V / rated value	A	7
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	15
• at 110 V / rated value	A	1.5
• at DC-3 / at DC-5		
• at 24 V / rated value	A	15
• at 110 V / rated value	A	0.1
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	15
• at 110 V / rated value	A	8.4
• at DC-3 / at DC-5		
• at 24 V / rated value	A	15
• at 110 V / rated value	A	0.25
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	15
• at 110 V / rated value	A	15
• at DC-3 / at DC-5		
• at 24 V / rated value	A	15
• at 110 V / rated value	A	15
Service power		
• at AC-1 / at 400 V / rated value	kW	11
• at AC-2 / at 400 V / rated value	kW	3
• at AC-3		
• at 400 V / rated value	kW	3
• at 500 V / rated value	kW	3.5
• at 690 V / rated value	kW	4

Control circuit:		
Design of activation		conventional
Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1		

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• for DC		
• rated value	V	24

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 switching		0
• lagging switching		0
Number of NO contacts / for auxiliary contacts		
• instantaneous switching		1
• leading switching		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	A	10
• at AC-15		
• at 230 V	A	6
• at 400 V	A	3
• at DC-12		
• at 60 V	A	6
• at 110 V	A	3
• at 220 V	A	1
• at DC-13		
• at 24 V	A	10
• at 60 V	A	2
• at 110 V	A	1
• at 220 V	A	0.3

Short-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: 35 A
• at type of coordination 2 / required		fuse gL/gG: 20 A

Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
series installation		Yes
Width	mm	45
Height	mm	57.5
Depth	mm	72
Distance, to be maintained, to earthed part / sidewards	mm	6

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Connection type:

Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Identification number and letter for switching elements		10 E

Certificates/approvals:

General Product Approval

CQC CSA KETI ROSTEST UL

Test Certificates

Manufacturer other

Shipping Approval

ABS BUREAU VERITAS DNV GL LRS PRS

Shipping Approval	**other**	
	Manufacturer	other

RMRS

Further information:

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

Industry Mall (Online ordering system)
http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RT1015-1BB41/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1015-1BB41

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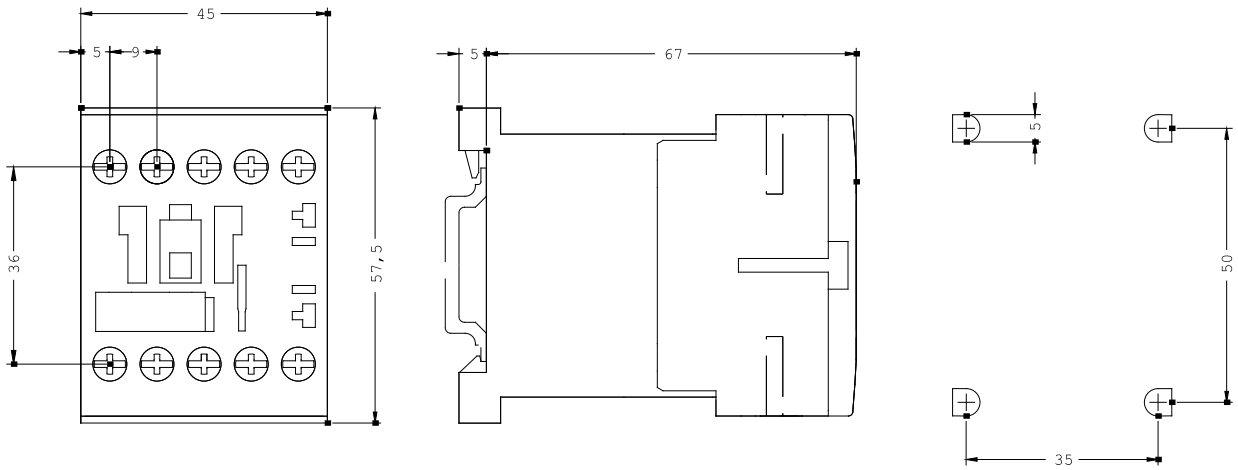

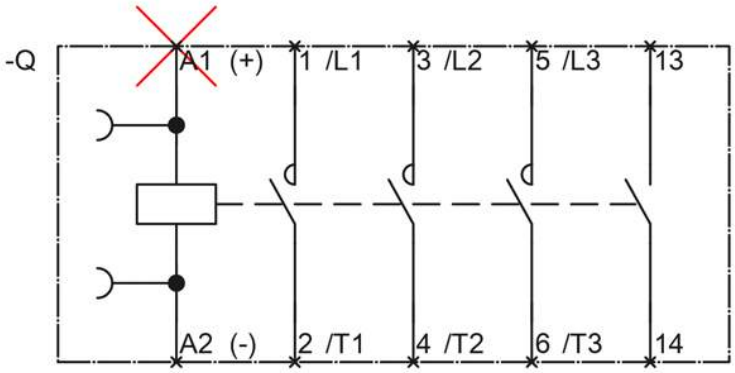

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