SIEMENS

Product data sheet

3RT1044-1BB44-3MA0



CONTACTOR, AC-3 30 KW/400 V, DC 24 V, 2 NO + 2 NC 3-POLE, SIZE S3, SCREW CONNECTION

General technical data:		
product brand name		SIRIUS
Size of the contactor		S3
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
Mechanical operating cycles as operating time		
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 / at 400 V		
• at 40 °C ambient temperature / rated value	Α	100
• at 60 °C ambient temperature / rated value	Α	90
• at AC-3 / at 400 V / rated value	Α	65

• at AC-4 / at 400 V / rated value	Α	55
• with 1 current path / at DC-1		
• at 24 V / rated value	Α	90
• at 110 V / rated value	Α	4.5
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	Α	90
• at 110 V / rated value	Α	90
 with 3 current paths in series / at DC-1 		
• at 24 V / rated value	Α	90
• at 110 V / rated value	Α	90
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	Α	40
• at 110 V / rated value	Α	2.5
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	Α	90
• at 110 V / rated value	Α	90
 with 3 current paths in series / at DC-3 / at DC-5 		
• at 24 V / rated value	Α	90
• at 110 V / rated value	Α	90
Service power		
• at AC-2 / at 400 V / rated value	kW	30
• at AC-3 / at 400 V / rated value	kW	30
• at AC-4 / at 400 V / rated value	W	30,000
Active power loss / per conductor / typical	W	4.6

Control circuit:		
Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1		
• for DC		
• rated value	V	24
Operating range factor control supply voltage rated value / of the magnet coil		
• for DC		0.8 1.1
Pull-in power / of the solenoid / for DC	W	15
Holding power / of the solenoid / for DC	W	15

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	2	
Number of NO contacts / for auxiliary contacts / instantaneous switching	2	

Operating current / of the auxiliary contacts		
• at AC-12 / maximum	Α	10
• at AC-15		
• at 230 V	Α	6
• at 400 V	Α	3
• at DC-12		
• at 60 V	Α	6
• at 110 V	Α	3
• at 220 V	Α	1
• at DC-13		
• at 24 V	Α	10
• at 60 V	Α	2
• at 110 V	Α	1
• at 220 V	Α	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: 250 A
• at type of coordination 2 / required	fuse gL/gG: 125 A

Installation/mounting/dimensions:		
Type of mounting		screw and snap-on mounting onto 35 mm and 75 mm standard mounting rail
series installation		Yes
Width	mm	70
Height	mm	146
Depth	mm	201
Distance, to be maintained, to earthed part / sidewards	mm	6

Connection type:		
Design of the electrical connection		
for main current circuit		screw-type terminals
for auxiliary and control current circuit		screw-type terminals

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery















Test Certificates



Special Test Certificate

Shipping Approval







GL







other

Confirmation

other

Environmental Confirmations

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:

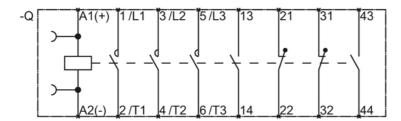
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RT1044-1BB44-3MA0/all

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1044-1BB44-3MA0}$



last change: Jun 28, 2012