



CONTACTOR, AC-3 22 KW/400 V, AC 110 V,  
 50 HZ, 3-POLE, SIZE S2, SCREW CONNECTION

## General details:

Product brand name		SIRIUS
Product designation		power contactor
Size of the contactor		S2
Protection class IP / frontal/front side		IP20
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2000
Ambient temperature / during the operating phase	°C	-25 ... 60
Real loss power / per conductor / typical	W	5
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		10000000
• of the contactor with added auxiliary switch block / typical		10000000
• of the contactor with added electronics-compatible auxiliary switch block / typical		5000000

## 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	60
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	55
Operating current		
• at AC-3 / at 400 V / rated value	A	50
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	4.5
• at DC-3 / at DC-5		
• at 24 V / rated value	A	35
• at 110 V / rated value	A	2.5
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	45
• at DC-3 / at DC-5		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	25
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	55
• at DC-3 / at DC-5		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	55
Service power		
• at AC-1 / at 400 V / rated value	kW	38
• at AC-2 / at 400 V / rated value	kW	22
• at AC-3		
• at 400 V / rated value	kW	22
• at 500 V / rated value	kW	30
• at 690 V / rated value	kW	22
Control circuit:		
Design of activation of the operating mechanism		conventional
Type of voltage / of the controlled supply voltage		AC
Control supply voltage frequency		

• 1 / rated value	Hz	50
<b>Control supply voltage / 1</b>		
• at 50 Hz / for AC		
• rated value	V	110

#### Auxiliary circuit:

<b>Contact reliability / of the auxiliary contacts</b>		1 faulty switching per 100 million (17 V, 1 mA)
<b>Number of NC contacts / for auxiliary contacts</b>		
• instantaneous switching		0
• lagging switching		0
<b>Number of NO contacts / for auxiliary contact</b>		
• instantaneous switching		0
• leading switching		0
<b>Operating current / of the auxiliary contacts</b>		
• 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:

<b>Design of the fuse link</b>		
• for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
• for short-circuit protection of the main circuit		
• at type of coordination 1 / required		fuse gL/gG: 160 A
• at type of coordination 2 / required		fuse gL/gG: 80 A

#### Installation/mounting/dimensions:

<b>Type of mounting</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<b>series installation</b>		Yes
<b>Width</b>	mm	55
<b>Height</b>	mm	112

Depth	mm	115
Distance, to be maintained, to earthed part / sideways	mm	6

#### Connection type:

##### Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

#### Certificates/approvals:

##### General Product Approval

##### Functional Safety / Safety of Machinery

[CQC](#)



[KETI](#)

[ROSTEST](#)



[SUVA](#)

##### Test Certificates

[Manufacturer](#)

##### Shipping Approval

[ABS](#)



##### Shipping Approval

other



[Manufacturer](#)

[other](#)

#### 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

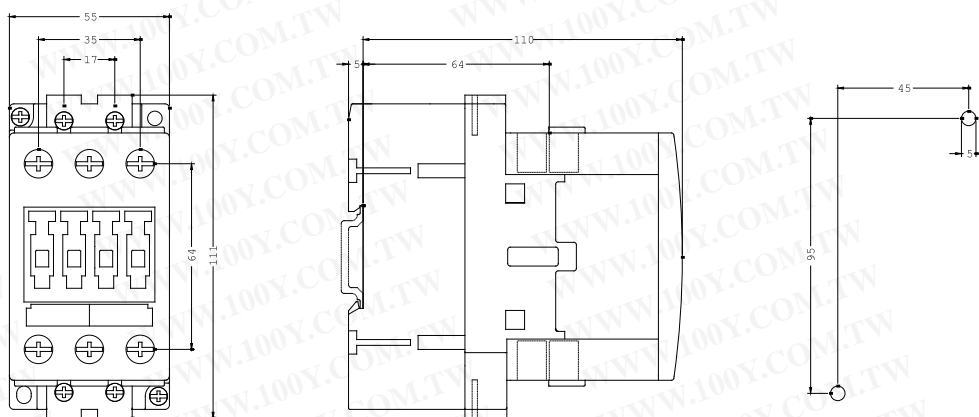
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1036-1AF00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1036-1AF00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1036-1AF00)



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