



CONTACTOR, AC-3 5.5KW/400V, 1 NC,
DC 24 V, 3-POLE, SIZE S00,
SCREW CONNECTION

勝特力材料 886-3-5753170
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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 1.24
Item designation	Q K
<ul style="list-style-type: none"> • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 	
Mechanical operating cycles as operating time	30,000,000 10,000,000 5,000,000
<ul style="list-style-type: none"> • of the contactor / typical • of the contactor with added auxiliary switch block / typical • of the contactor with added electronics-compatible auxiliary switch block / typical 	

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 40 °C ambient temperature / rated value	A	22
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	20
Operating current		
• at AC-3 / at 400 V / rated value	A	12
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	20
• at 110 V / rated value	A	2.1
• at DC-3 / at DC-5		
• at 24 V / rated value	A	20
• at 110 V / rated value	A	0.15
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	20
• at 110 V / rated value	A	12
• at DC-3 / at DC-5		
• at 24 V / rated value	A	20
• at 110 V / rated value	A	0.35
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	20
• at 110 V / rated value	A	20
• at DC-3 / at DC-5		
• at 24 V / rated value	A	20
• at 110 V / rated value	A	20
Service power		
• at AC-1 / at 400 V / rated value	kW	13
• at AC-2 / at 400 V / rated value	kW	5.5
• at AC-3		
• at 400 V / rated value	kW	5.5
• at 500 V / rated value	kW	5.5
• at 690 V / rated value	kW	5.5
Control circuit:		
Design of activation		conventional
Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1		

- for DC
- rated value

V	24
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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
- lagging switching

1

0

Number of NO contacts / for auxiliary contacts

- instantaneous switching
- leading switching

0

0

Operating current / of the auxiliary contacts

- at AC-12 / maximum
- at AC-15
 - at 230 V
 - at 400 V
- at DC-12
 - at 60 V
 - at 110 V
 - at 220 V
- at DC-13
 - at 24 V
 - at 60 V
 - at 110 V
 - at 220 V

A 10

A 6

A 3

A 6

A 3

A 1

A 10

A 2

A 1

A 0.3

Short-circuit:

Design of the fuse link

- for short-circuit protection of the auxiliary switch / required
- for short-circuit protection of the main circuit
 - with type of assignment 1 / required
 - at type of coordination 2 / required

fuse gL/gG: 10 A

fuse gL/gG: 35 A

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 / 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

Identification number and letter for switching elements

01 E

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery



CQC



CSA

[KETI](#)

[ROSTEST](#)

[SUVA](#)

Test Certificates

[Manufacturer](#)

[other](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

[other](#)



RMRS

[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

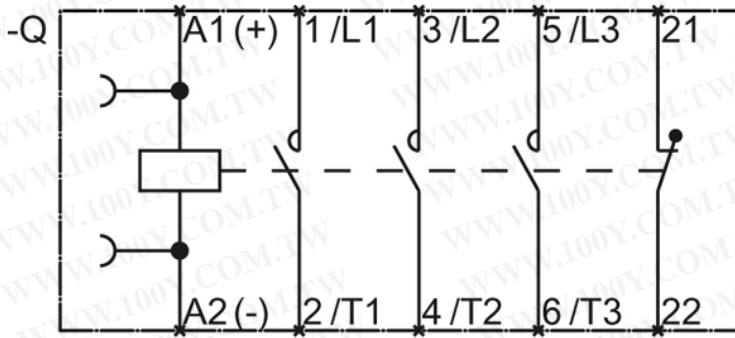
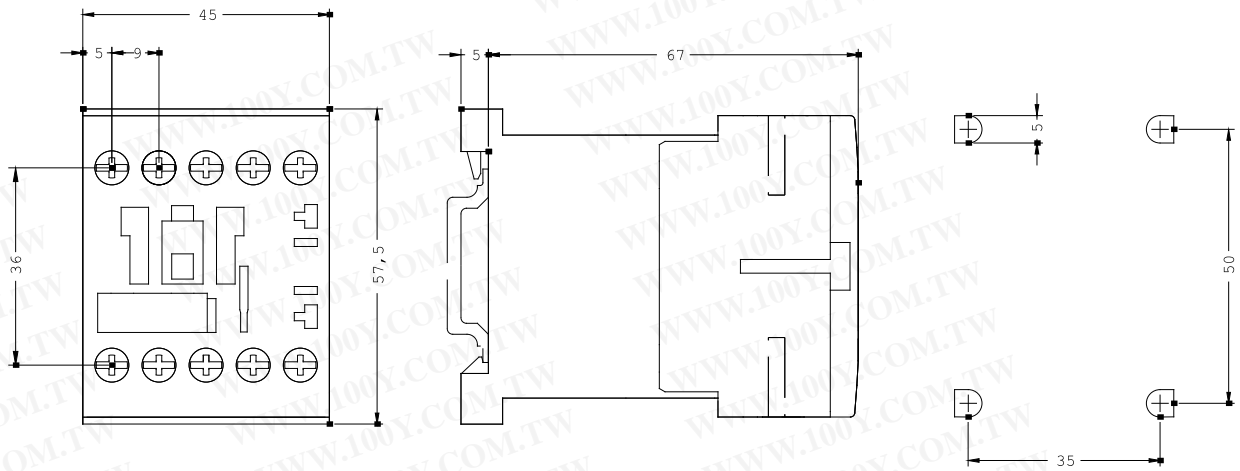
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1017-1BB42/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1017-1BB42



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