



CONTACTOR, AC-3 15 KW/400 V, DC 24 V,
 3-POLE, SIZE S2, SCREW CONNECTION

General details:

product brand name		SIRIUS
product designation		power contactor
Size of the contactor		S2
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	1.8
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		
<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 		10,000,000 10,000,000 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	50
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	45
Operating current		
• at AC-3 / at 400 V / rated value	A	32
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	45
• 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	45
• at 110 V / rated value	A	25
• at DC-3 / at DC-5		
• at 24 V / rated value	A	45
• at 110 V / rated value	A	25
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	45
• at 110 V / rated value	A	45
• at DC-3 / at DC-5		
• at 24 V / rated value	A	45
• at 110 V / rated value	A	45
Service power		
• at AC-1 / at 400 V / rated value	kW	31
• at AC-2 / at 400 V / rated value	kW	15
• at AC-3		
• at 400 V / rated value	kW	15
• at 500 V / rated value	kW	18.5
• at 690 V / rated value	kW	18.5
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)
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Number of NC contacts / for auxiliary contacts	
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- instantaneous switching
- lagging switching

0

0

Number of NO contacts / for auxiliary contacts	
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- instantaneous switching
- leading switching

0

0

Operating current / of the auxiliary contacts	
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- 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
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A	6
---	---

A	3
---	---

A	6
---	---

A	3
---	---

A	1
---	---

A	10
---	----

A	2
---	---

A	1
---	---

A	0.3
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Short-circuit:

Design of the fuse link	
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- 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: 125 A

fuse gL/gG: 63 A

Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
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series installation		Yes
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Width	mm	55
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Height	mm	112
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Depth	mm	130
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Distance, to be maintained, to earthed part / sideways	mm	6
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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



CQC



CSA

[ROSTEST](#)



UL

[SUVA](#)

Test Certificates

[Manufacturer](#)

[other](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



RINA

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

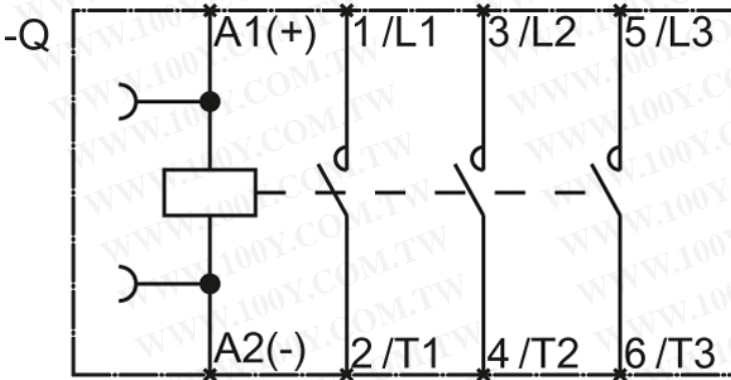
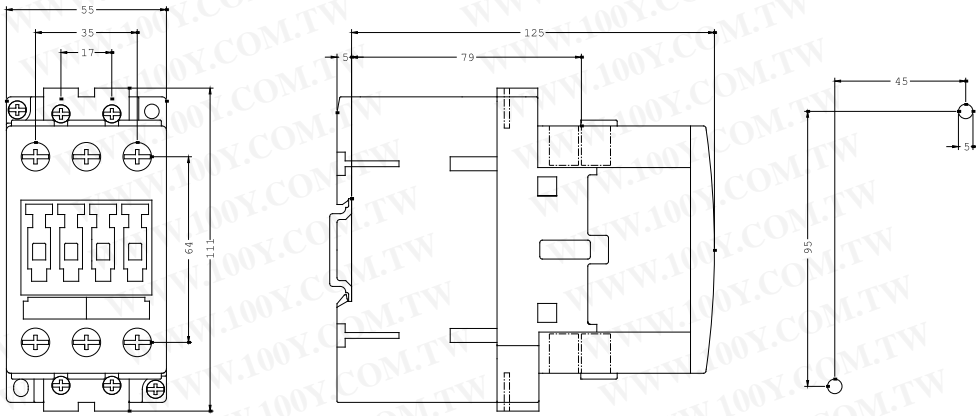
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RT1034-1BB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1034-1BB40



last change:

Feb 10, 2012