



CONTACTOR,
200KW/400V/AC-3 WITHOUT COIL AUXILIARY
CONTACTS 2NO+2NC 3-POLE,
SIZE S12 MAIN COND.: BAR CONNECTIONS CONVENT.
OPERATING MECHANISM AUX. COND.: SCREW
TERMINALS

General details:

Product brand name		SIRIUS
product designation		power contactor
Size of the contactor		S12
Protection class IP / on the front		IP00
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	35
Item designation		
<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 		Q K
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	430
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	400
Operating current		
• at AC-3 / at 400 V / rated value	A	400
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	33
• at DC-3 / at DC-5		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	3
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
• at DC-3 / at DC-5		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
• at DC-3 / at DC-5		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
Service power		
• at AC-1 / at 400 V / rated value	kW	263
• at AC-2 / at 400 V / rated value	kW	231
• at AC-3		
• at 400 V / rated value	kW	200
• at 500 V / rated value	kW	291
• at 690 V / rated value	kW	400
Control circuit:		
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage frequency		
• 1 / rated value	Hz	40

- 2 / rated value

Hz	60
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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		
<ul style="list-style-type: none"> • instantaneous switching 		2
<ul style="list-style-type: none"> • lagging switching 		0
Number of NO contacts / for auxiliary contacts		
<ul style="list-style-type: none"> • instantaneous switching 		2
<ul style="list-style-type: none"> • leading switching 		0
Operating current / of the auxiliary contacts		
<ul style="list-style-type: none"> • at AC-12 / maximum 	A	10
<ul style="list-style-type: none"> • at AC-15 		
<ul style="list-style-type: none"> • at 230 V 	A	6
<ul style="list-style-type: none"> • at 400 V 	A	3
<ul style="list-style-type: none"> • at DC-12 		
<ul style="list-style-type: none"> • at 60 V 	A	6
<ul style="list-style-type: none"> • at 110 V 	A	3
<ul style="list-style-type: none"> • at 220 V 	A	1
<ul style="list-style-type: none"> • at DC-13 		
<ul style="list-style-type: none"> • at 24 V 	A	10
<ul style="list-style-type: none"> • at 60 V 	A	2
<ul style="list-style-type: none"> • at 110 V 	A	1
<ul style="list-style-type: none"> • at 220 V 	A	0.3

Short-circuit:

Design of the fuse link		
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch / required 		fuse gL/gG: 10 A
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit 		
<ul style="list-style-type: none"> • with type of assignment 1 / required 		fuse gL/gG: 630 A
<ul style="list-style-type: none"> • at type of coordination 2 / required 		fuse gL/gG: 500 A

Installation/mounting/dimensions:

Type of mounting		screw fixing
series installation		Yes
Width	mm	160
Height	mm	214
Depth	mm	225
Distance, to be maintained, to earthed part / sideways	mm	10

Connection type:

Design of the electrical connection		
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		screw-type terminals screw-type terminals
Identification number and letter for switching elements		22 E

Certificates/approvals:

General Product Approval	Functional Safety / Safety of Machinery	Test Certificates
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CSA

[ROSTEST](#)



UL

[SUVA](#)

[Manufacturer](#)

Shipping Approval

other



ABS



GL

[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

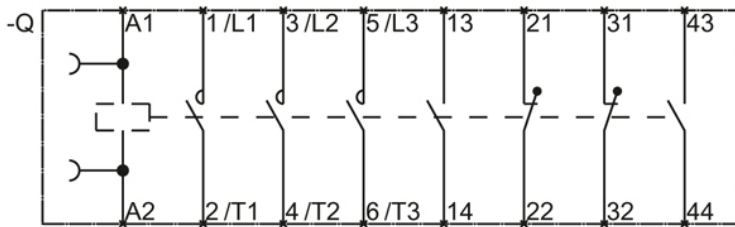
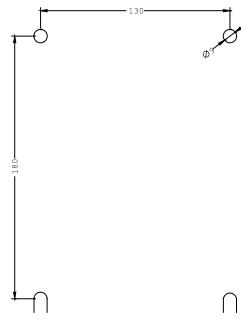
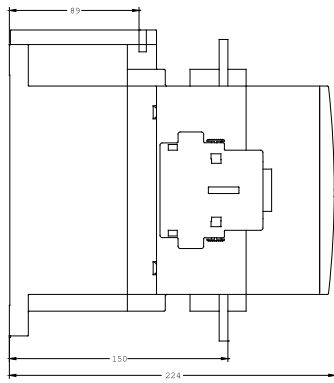
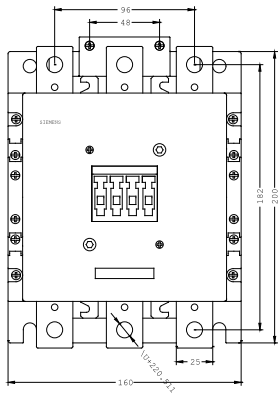
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RT1075-6LA06/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1075-6LA06



last change:

Sep 30, 2011