

CONTACTOR, 55KW/400V/AC-3,  
AC(40...60HZ)/DC OPERATION UC 220...240V AUX.  
CONTACTS 2NO+2NC,  
3-POLE,  
SIZE S6 BAR CONNECTIONS CONVENTIONAL  
OPERATING MECHAN. SCREW TERMINAL

### General details:

Product brand name		SIRIUS
product designation		power contactor
Size of the contactor		S6
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	7
Item designation <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> <li>• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		Q K
Mechanical operating cycles as operating time <ul style="list-style-type: none"> <li>• of the contactor / typical</li> <li>• of the contactor with added auxiliary switch block / typical</li> <li>• of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>		10,000,000 10,000,000 5,000,000

### 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	160
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	140
Operating current <ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> <li>• with 1 current path</li> <li>• at DC-1</li> </ul>	A	115

• at 24 V / rated value	A	160
• at 110 V / rated value	A	18
• at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	2.5
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
<b>Service power</b>		
• at AC-1 / at 400 V / rated value	kW	92
• at AC-2 / at 400 V / rated value	kW	64
• at AC-3		
• at 400 V / rated value	kW	55
• at 500 V / rated value	kW	81
• at 690 V / rated value	kW	11.3

Control circuit:		
<b>Design of activation</b>		conventional
<b>Design of the surge suppressor</b>		with varistor
<b>Type of voltage / of the controlled supply voltage</b>		AC/DC
<b>Control supply voltage frequency</b>		
• 1 / rated value	Hz	40
• 2 / rated value	Hz	60
<b>Control supply voltage / 1</b>		
• for DC		
• initial rated value	V	220
• final rated value	V	240
• at 50 Hz / for AC		
• initial rated value	V	220

- final rated value
- at 60 Hz / for AC
- initial rated value
- final rated value

V	240
V	220
V	240

#### 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

2  
0

#### Number of NO contacts / for auxiliary contacts

- instantaneous switching
- leading switching

2  
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: 355 A  
fuse gL/gG: 315 A

#### Installation/mounting/dimensions:

<b>Type of mounting</b>		screw fixing
<b>series installation</b>		Yes
<b>Width</b>	mm	120
<b>Height</b>	mm	172
<b>Depth</b>	mm	170

Distance, to be maintained, to earthed part / sideways	mm	10
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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

##### Identification number and letter for switching elements

22 E

#### Certificates/approvals:

##### General Product Approval

##### Functional Safety / Safety of Machinery



CQC



CSA

[KETI](#)

[ROSTEST](#)



UL

[SUVA](#)

##### Test Certificates

[Manufacturer](#)

[other](#)



ABS



DNV



GL

##### 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

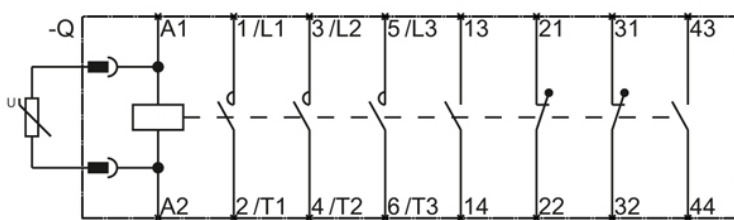
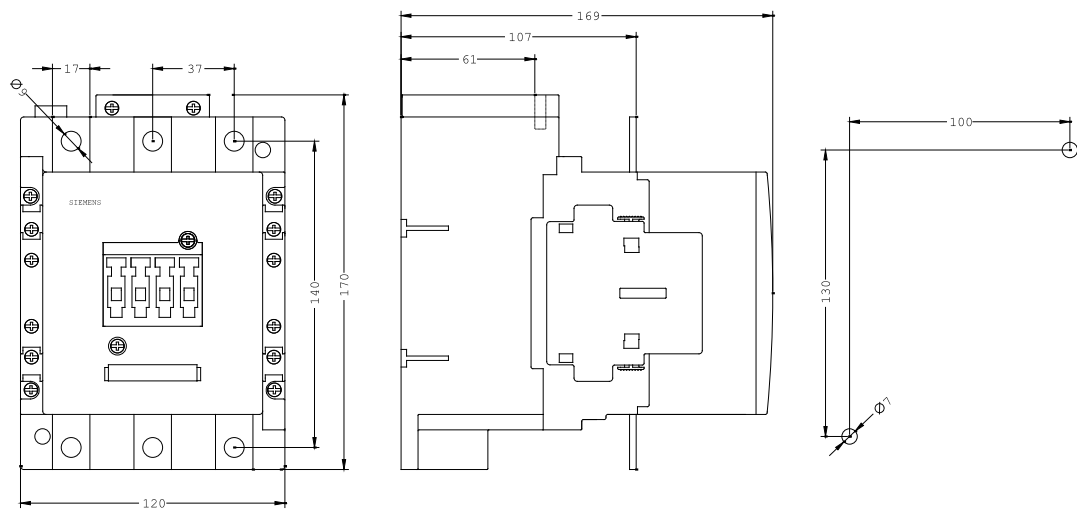
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1054-6AP36/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1054-6AP36](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1054-6AP36)



last change:

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