



CONTACTOR, AC-3 37 KW/400 V,  
AC 220V 50/60HZ 3-POLE, SIZE S3,  
SCREW CONNECTION

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

**General details:**

<b>Product brand name</b>		SIRIUS
<b>Product designation</b>		power contactor
<b>Size of the contactor</b>		S3
<b>Protection class IP / frontal/front side</b>		IP20
<b>Degree of pollution</b>		3
<b>Installation altitude / at a height over sea level / maximum</b>	m	2000
<b>Ambient temperature / during the operating phase</b>	°C	-25 ... 60
<b>Real loss power / per conductor / typical</b>	W	7.7
<b>Item designation</b>		
<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
<b>Mechanical operating cycles as operating time</b>		
<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>		10000000 10000000 5000000

**Main circuit:**

<b>Number of poles / for main current circuit</b>		3
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<b>Number of NC contacts / for main contacts</b>		0
<b>Number of NO contacts / for main contacts</b>		3
<b>Operating current / at AC-1 / at 400 V / at 40 °C ambient temperature / rated value</b>	A	120
<b>Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value</b>	A	100
<b>Operating current</b>		
• at AC-3 / at 400 V / rated value	A	80
• with 1 current path		
• at DC-1		
• at 24 V / rated value	A	100
• at 110 V / rated value	A	9
• at DC-3 / at DC-5		
• at 24 V / rated value	A	40
• at 110 V / rated value	A	2.5
• with 2 current paths in series		
• at DC-1		
• at 24 V / rated value	A	100
• at 110 V / rated value	A	100
• at DC-3 / at DC-5		
• at 24 V / rated value	A	100
• at 110 V / rated value	A	100
• with 3 current paths in series		
• at DC-1		
• at 24 V / rated value	A	100
• at 110 V / rated value	A	100
• at DC-3 / at DC-5		
• at 24 V / rated value	A	100
• at 110 V / rated value	A	100
<b>Service power</b>		
• at AC-1 / at 400 V / rated value	kW	66
• at AC-2 / at 400 V / rated value	kW	37
• at AC-3		
• at 400 V / rated value	kW	37
• at 500 V / rated value	kW	45
• at 690 V / rated value	kW	55
<b>Control circuit:</b>		
<b>Design of activation of the operating mechanism</b>		conventional
<b>Type of voltage / of the controlled supply voltage</b>		AC
<b>Control supply voltage frequency</b>		

• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
<b>Control supply voltage / 1</b>		
• at 50 Hz / for AC	V	220
• rated value		
• at 60 Hz / for AC	V	220
• rated value		

### 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: 250 A
• at type of coordination 2 / required		fuse gL/gG: 160 A

### Installation/mounting/dimensions:

<b>Type of mounting</b>	screw and snap-on mounting onto 35 mm and 75 mm standard mounting rail
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series installation		Yes
Width	mm	70
Height	mm	146
Depth	mm	139
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](#)



##### 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

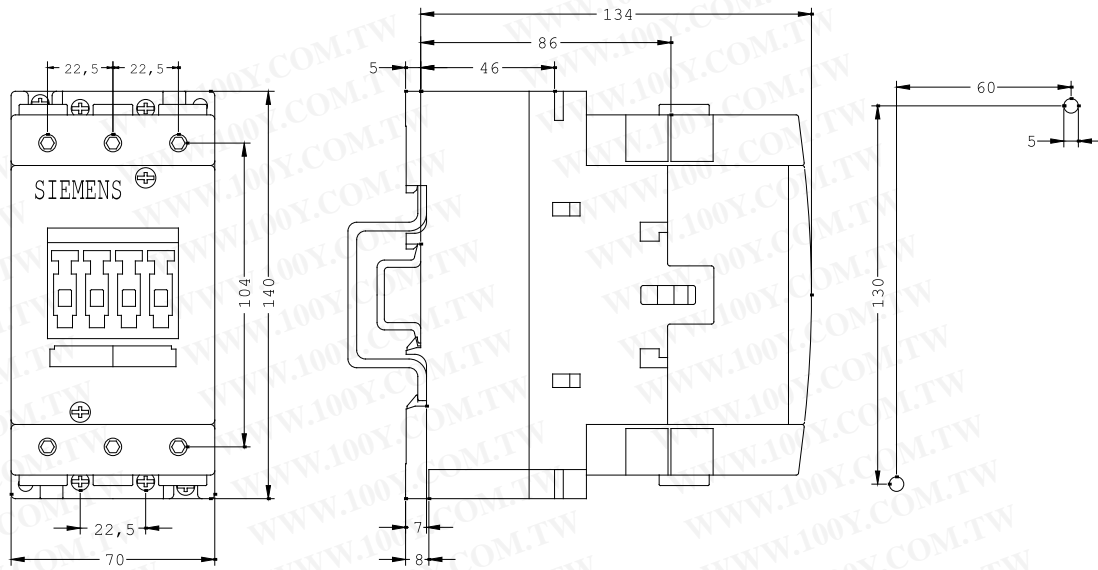
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1045-1AN20/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1045-1AN20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1045-1AN20)



last change:

Sep 20, 2010

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