



CONTACTOR, AC-1 60 A, DC 24 V, 4-POLE,  
SIZE S2,  
SCREW CONNECTION AVAILABLE MARCH '98

### General technical data:

<b>product brand name</b>		SIRIUS
<b>Size of the contactor</b>		S2
<b>Protection class IP / on the front</b>		IP00
<b>Degree of pollution</b>		3
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Ambient temperature / during operating</b>	°C	-25 ... +60
<b>Mechanical operating cycles as operating time</b>		
<ul style="list-style-type: none"> <li>• of the contactor / typical</li> </ul>		10,000,000
<ul style="list-style-type: none"> <li>• of the contactor with added auxiliary switch block / typical</li> </ul>		10,000,000
<ul style="list-style-type: none"> <li>• of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>		5,000,000

### Main circuit:

<b>Number of NC contacts / for main contacts</b>		0
<b>Number of NO contacts / for main contacts</b>		4
<b>Operational current</b>		
<ul style="list-style-type: none"> <li>• at AC-1 / at 400 V <ul style="list-style-type: none"> <li>• at 40 °C ambient temperature / rated value</li> </ul> </li> </ul>	A	60
<ul style="list-style-type: none"> <li>• at 60 °C ambient temperature / rated value</li> </ul>	A	55
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	A	26

<ul style="list-style-type: none"> <li>with 1 current path / at DC-1 <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	50
	A	4.5
<ul style="list-style-type: none"> <li>with 2 current paths in series / at DC-1 <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	50
	A	45
<ul style="list-style-type: none"> <li>with 3 current paths in series / at DC-1 <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	50
	A	45
<ul style="list-style-type: none"> <li>with 1 current path / at DC-3 / at DC-5 <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	20
	A	2.5
<ul style="list-style-type: none"> <li>with 2 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	45
	A	25
<ul style="list-style-type: none"> <li>with 3 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	45
	A	45
<b>Service power</b>		
<ul style="list-style-type: none"> <li>at AC-2 / at 400 V / rated value</li> </ul>	kW	11
<ul style="list-style-type: none"> <li>at AC-3 / at 400 V / rated value</li> </ul>	kW	11

#### Control circuit:

<b>Type of voltage / of the controlled supply voltage</b>		DC
<b>Operating range factor control supply voltage rated value / of the magnet coil</b>		
<ul style="list-style-type: none"> <li>for DC</li> </ul>		0.8 ... 1.1
<b>Pull-in power / of the solenoid / for DC</b>	W	13.3
<b>Holding power / of the solenoid / for DC</b>	W	13.3

#### 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 / instantaneous switching</b>		0
<b>Number of NO contacts / for auxiliary contacts / instantaneous switching</b>		0

#### Short-circuit:

<b>Design of the fuse link</b>		
<ul style="list-style-type: none"> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>		fuse gL/gG: 10 A
<ul style="list-style-type: none"> <li>for short-circuit protection of the main circuit <ul style="list-style-type: none"> <li>with type of assignment 1 / required</li> </ul> </li> </ul>		fuse gL/gG: 160 A

- at type of coordination 2 / required

fuse gL/gG: 63 A

### Installation/mounting/dimensions:

<b>Type of mounting</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<b>series installation</b>		Yes
<b>Width</b>	mm	73
<b>Height</b>	mm	112
<b>Depth</b>	mm	130
<b>Distance, to be maintained, to earthed part / sideways</b>	mm	6

### Connection type:

<b>Design of the electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>		screw-type terminals
<ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>		screw-type terminals
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for main contacts           <ul style="list-style-type: none"> <li>• solid</li> </ul> </li> </ul>		2x (0.75 ... 16 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• stranded</li> </ul>		2x (0.75 ... 25 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded           <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul>		2x (0.75 ... 16 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• without conductor final cutting</li> </ul>		2x (0.75 ... 16 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• for AWG conductors / for main contacts</li> </ul>		2x (18 ... 2)
<ul style="list-style-type: none"> <li>• for auxiliary contacts           <ul style="list-style-type: none"> <li>• solid</li> </ul> </li> </ul>		2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), max. 2x (0.75 ... 4 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• finely stranded           <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul>		2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• for AWG conductors / for auxiliary contacts</li> </ul>		2x (20 ... 16), 2x (18 ... 14), 1x 12

### Certificates/approvals:

General Product Approval	Functional Safety / Safety of Machinery	Declaration of Conformity	Test Certificates
--------------------------	---	---------------------------	-------------------



CCC



CSA



GOST

[Type Examination](#)



EG-Konf.

[Special Test Certificate](#)

**Shipping Approval**



ABS



DNV



GL



LRS



RINA



RMRS

**other**

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

**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:**

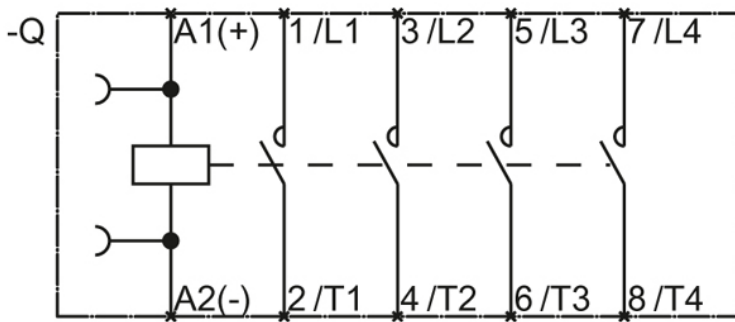
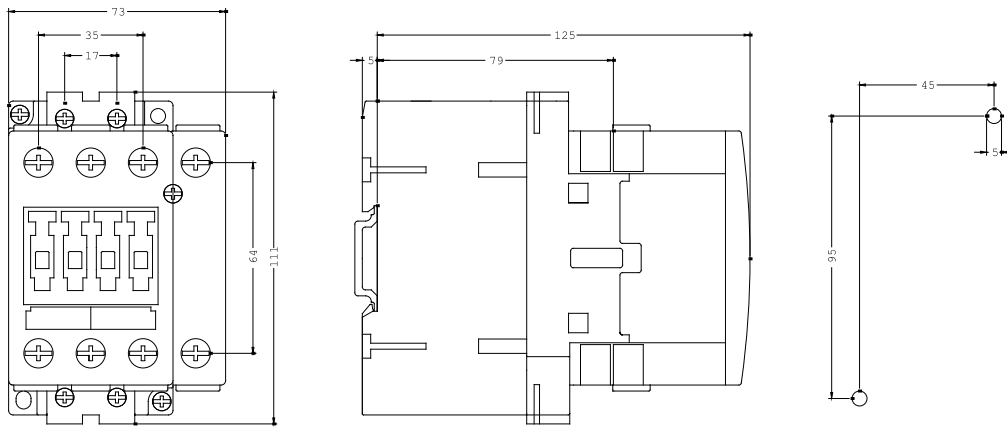
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RT1336-1BB40/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1336-1BB40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1336-1BB40)



last change:

Feb 15, 2013