



CONTACTOR, AC-3 4 KW/400 V, AC 480 V,  
60 HZ, 3-POLE, SIZE S0,  
CAGE CLAMP CONNECTION

General technical data:		
product brand name		SIRIUS
Size of the contactor		S0
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
Mechanical operating cycles as operating time		
<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:		
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operating current		
<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	40
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	A	9
<ul style="list-style-type: none"> <li>• at AC-4 / at 400 V / rated value</li> </ul>	A	8.5

<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	35
	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	35
	A	35
<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	35
	A	35
<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	35
	A	15
<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	35
	A	35
<b>Service power</b>		
<ul style="list-style-type: none"> <li>at AC-2 / at 400 V / rated value</li> </ul>	kW	4
<ul style="list-style-type: none"> <li>at AC-3 / at 400 V / rated value</li> </ul>	kW	4
<ul style="list-style-type: none"> <li>at AC-4 / at 400 V / rated value</li> </ul>	W	4,000

Control circuit:		
<b>Voltage type / of control feed voltage</b>		AC
<b>Operating range factor control supply voltage rated value / of the magnet coil</b>		
<ul style="list-style-type: none"> <li>at 60 Hz</li> <li>for AC</li> </ul>		0.8 ... 1.1
<b>Apparent pull-in power / of the solenoid / for AC</b>	V·A	69
<b>Apparent holding power / of the solenoid / for AC</b>	V·A	7.5
<b>Inductive power factor / with the pull-in power of the coil</b>		0.76
<b>Inductive power factor / with the pull-in power of the coil</b>		0.28

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</li> </ul>	fuse gL/gG: 63 A
	<ul style="list-style-type: none"> <li>• with type of assignment 1 / required</li> <li>• at type of coordination 2 / required</li> </ul>	fuse gL/gG: 25 A

### Installation/mounting/dimensions:

<b>Mounting type</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	45
<b>Height</b>	mm	85
<b>Depth</b>	mm	90
<b>Distance, to be maintained, to earthed part / sideways</b>	mm	6

### Connection type:

<b>Design of the electrical connection</b>		screw-type terminals Cage Clamp 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> <li>• finely stranded               <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for main contacts</li> <li>• for auxiliary contacts           <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded               <ul style="list-style-type: none"> <li>• with conductor end processing</li> <li>• without conductor final cutting</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul>

### Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery

Declaration of Conformity



[Type Examination](#)



Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



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:

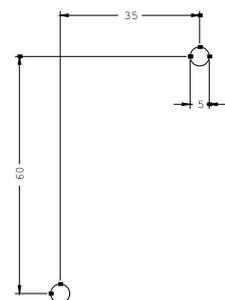
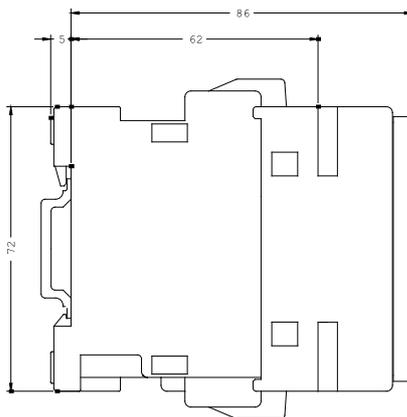
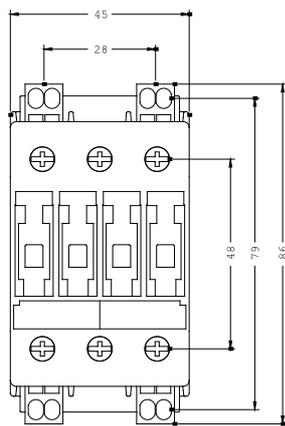
<http://www.siemens.com/cax>

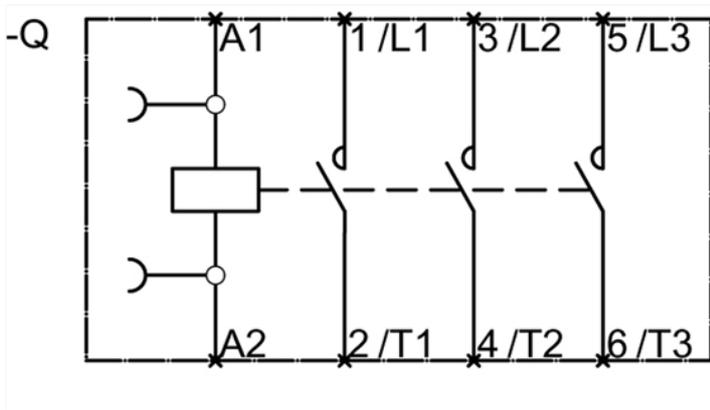
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1023-3AV60/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1023-3AV60](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1023-3AV60)





last change:

Aug 4, 2014