

As of 2011-11-26



AUX.SWITCH BLOCK,FRONT,1NO+3NC, CURR.PATH:  
1NO, 1NC, 1NC, 1NC, FOR CONTACTOR RELAYS, SZ S00,  
SCREW TERMINAL 53 / 54,61 / 62,71 / 72,81 / 82

General technical data:	
Product brand name	SIRIUS
Acceptability for application	Contactor relay and power contactor
Protection class IP / on the front	IP20
Ambient temperature	
• during storage	°C -55...80
• during operating	°C -25...60
Mechanical operating cycles as operating time	
• typical	10,000,000
Electrical operating cycles as operating time / at AC-15 / at 230 V	
• typical	200,000
Contact reliability	one incorrect switching operation of 100 million switching operations (17 V, 1 mA)
Contact reliability / of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage / with degree of pollution 3	
• rated value	V 690
Impulse voltage resistance	
• rated value	kV 6
Auxiliary circuit:	
Number of NC contacts / for auxiliary contacts / instantaneous switching	3
Number of NO contacts / for auxiliary contacts / instantaneous switching	1
Operating current / of the auxiliary contacts / at AC-12	

<ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 230 V</li> <li>• at 400 V</li> <li>• at 690 V</li> <li>• maximum</li> </ul>	A	10
	A	10
	A	10
	A	10
	A	10
<b>Operating current / of the auxiliary contacts / at AC-14</b>		
<ul style="list-style-type: none"> <li>• at 125 V</li> <li>• at 250 V</li> </ul>	A	6
	A	6
<b>Operating current / of the auxiliary contacts / at AC-15</b>		
<ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 230 V</li> <li>• at 690 V</li> <li>• at 400 V</li> </ul>	A	6
	A	6
	A	1
	A	3
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• with 2 current paths in series / at DC-12 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 60 V / rated value</li> <li>• at 110 V / rated value</li> <li>• at 220 V / rated value</li> <li>• at 440 V / rated value</li> <li>• at 600 V / rated value</li> </ul> </li> <li>• with 3 current paths in series / at DC-12 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 60 V / rated value</li> <li>• at 110 V / rated value</li> <li>• at 220 V / rated value</li> <li>• at 440 V / rated value</li> <li>• at 600 V / rated value</li> </ul> </li> </ul>	A	10
	A	10
	A	4
	A	2
	A	1.3
	A	0.65
	A	10
	A	10
	A	10
	A	3.6
	A	2.5
	A	1.8
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• of the auxiliary contacts / at DC-13 <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 60 V</li> <li>• at 110 V</li> <li>• at 220 V</li> </ul> </li> <li>• with 2 current paths in series / at DC-13 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 60 V / rated value</li> <li>• at 110 V / rated value</li> <li>• at 220 V / rated value</li> <li>• at 440 V / rated value</li> <li>• at 600 V / rated value</li> </ul> </li> <li>• with 3 current paths in series / at DC-13 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 60 V / rated value</li> <li>• at 110 V / rated value</li> <li>• at 220 V / rated value</li> <li>• at 440 V / rated value</li> <li>• at 600 V / rated value</li> </ul> </li> </ul>	A	6
	A	2
	A	1
	A	0.3
	A	10
	A	3.5
	A	1.3
	A	0.9
	A	0.2
	A	0.1
	A	10
	A	4.7
	A	3
	A	1.2
	A	0.5
	A	0.26

#### Installation/mounting/dimensions:

Type of mounting		snap-on mounting
Width	mm	36
Height	mm	37.5
Depth	mm	43.7

**Connections:**

<b>Design of the electrical connection</b>	screw-type terminals
<ul style="list-style-type: none"> <li>for auxiliary and control current circuit</li> </ul>	
<b>Type of the connectable conductor cross-section</b>	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 auxiliary contacts</li> <li>solid</li> </ul>	
<ul style="list-style-type: none"> <li>finely stranded           <ul style="list-style-type: none"> <li>with conductor end processing</li> </ul> </li> <li>for AWG conductors / for auxiliary contacts</li> </ul>	

**Safety-related Parameter:**

<b>Product function / mirror contact to IEC 60947-4-1</b>	Yes
<ul style="list-style-type: none"> <li>comment</li> </ul>	with 3RT2
<b>Product function / positively driven operation to IEC 60947-5-1</b>	Yes
<ul style="list-style-type: none"> <li>comment</li> </ul>	with 3RH2

**Certificates/approvals:****General Product Approval**

<input checked="" type="checkbox"/> CQC	<input checked="" type="checkbox"/> CSA	ROSTEST	<input checked="" type="checkbox"/> UL
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**Shipping Approval**

<input checked="" type="checkbox"/> ABS (American Bureau of Shipping)	<input checked="" type="checkbox"/> DNV (Det Norske Veritas)	<input checked="" type="checkbox"/> GL (Germanischer Lloyd)	<input checked="" type="checkbox"/> LRS
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**Shipping Approval****other**

<input checked="" type="checkbox"/> RMRS (Russian Maritime Register)	<input checked="" type="checkbox"/> VDE
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**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:**

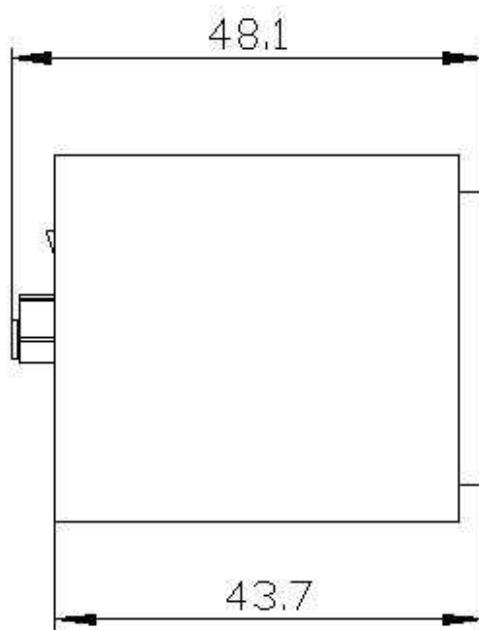
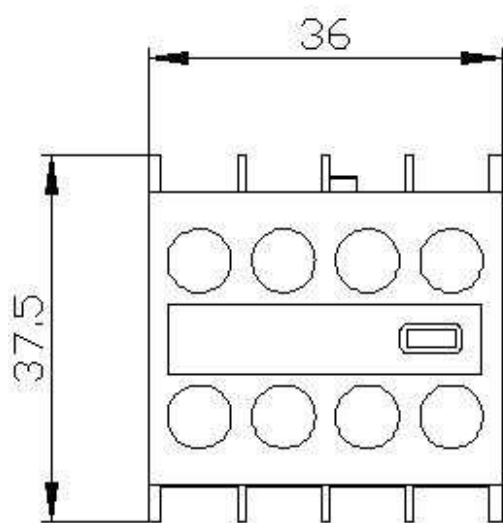
<http://www.siemens.com/cax>

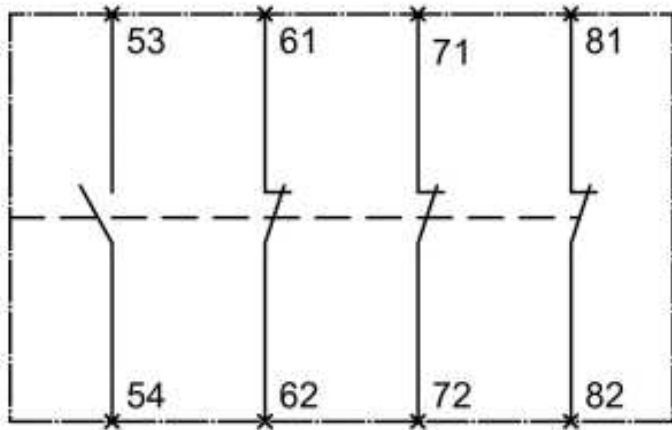
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3RH2911-1GA13/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3RH2911-1GA13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3RH2911-1GA13)





**last change:**

Oct 31, 2011