

MOUNTING BLOCK DIN EN 50005,  
4-POLE,2NO+2NC



General technical data:		
product brand name		SIRIUS
Suitability for use		Contact relay and power contactor
Protection class IP / on the front		IP20
Ambient temperature		
• during storage	°C	-55 ... +80
• during operation	°C	-25 ... +60
Mechanical service life (switching cycles)		
• typical		10,000,000
Electrical endurance (switching cycles) / at AC-15 / at 230 V		
• typical		200,000
Contact reliability		one incorrect switching operation of 100 million switching operations (17 V, 5 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
Surge voltage resistance		
• Rated value	kV	6
Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		

• instantaneous contact		2
<b>Number of NO contacts / for auxiliary contacts</b>		
• instantaneous contact		2
<b>Operating current / of the auxiliary contacts / at AC-12</b>		
• at 24 V	A	10
• at 230 V	A	10
• maximum	A	10
<b>Operating current</b>		
• of the auxiliary contacts		
• at AC-14		
• at 125 V	A	6
• at 250 V	A	6
• at AC-15		
• at 24 V	A	6
• at 230 V	A	6
• at 400 V	A	3
• at AC-15 / at 690 V	A	1
<b>Operating current</b>		
• with 2 current paths in series / at DC-12		
• at 24 V / Rated value	A	10
• at 60 V / Rated value	A	10
• at 110 V / Rated value	A	4
• at 220 V / Rated value	A	2
• at 440 V / Rated value	A	1.3
• at 600 V / Rated value	A	0.65
• with 3 current paths in series / at DC-12		
• at 24 V / Rated value	A	10
• at 60 V / Rated value	A	10
• at 110 V / Rated value	A	10
• at 220 V / Rated value	A	3.6
• at 440 V / Rated value	A	2.5
• at 600 V / Rated value	A	1.8
<b>Operating current</b>		
• of the auxiliary contacts / at DC-13		
• at 24 V	A	6
• at 60 V	A	2
• at 110 V	A	1
• at 220 V	A	0.3
• with 2 current paths in series / at DC-13		
• at 24 V / Rated value	A	10

- at 60 V / Rated value
- at 110 V / Rated value
- at 220 V / Rated value
- at 440 V / Rated value
- at 600 V / Rated value
- with 3 current paths in series / at DC-13
  - at 24 V / Rated value
  - at 60 V / Rated value
  - at 110 V / Rated value
  - at 220 V / Rated value
  - at 440 V / Rated value
  - at 600 V / Rated value

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:

<b>Mounting type</b>		snap-on mounting
<b>Width</b>	mm	44
<b>Height</b>	mm	38
<b>Depth</b>	mm	51

#### Connections/ terminals:

<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 connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for auxiliary contacts           <ul style="list-style-type: none"> <li>• finely stranded               <ul style="list-style-type: none"> <li>• with core end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul>		2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (20 ... 16), 2x (18 ... 14)

#### Safety:

<b>Product function / Mirror contact acc. to IEC 60947-4-1</b>		Yes
<ul style="list-style-type: none"> <li>• Note</li> </ul>		with 3RT1
<b>Product function / positively driven operation acc. to IEC 60947-5-1</b>		No

#### 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

[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

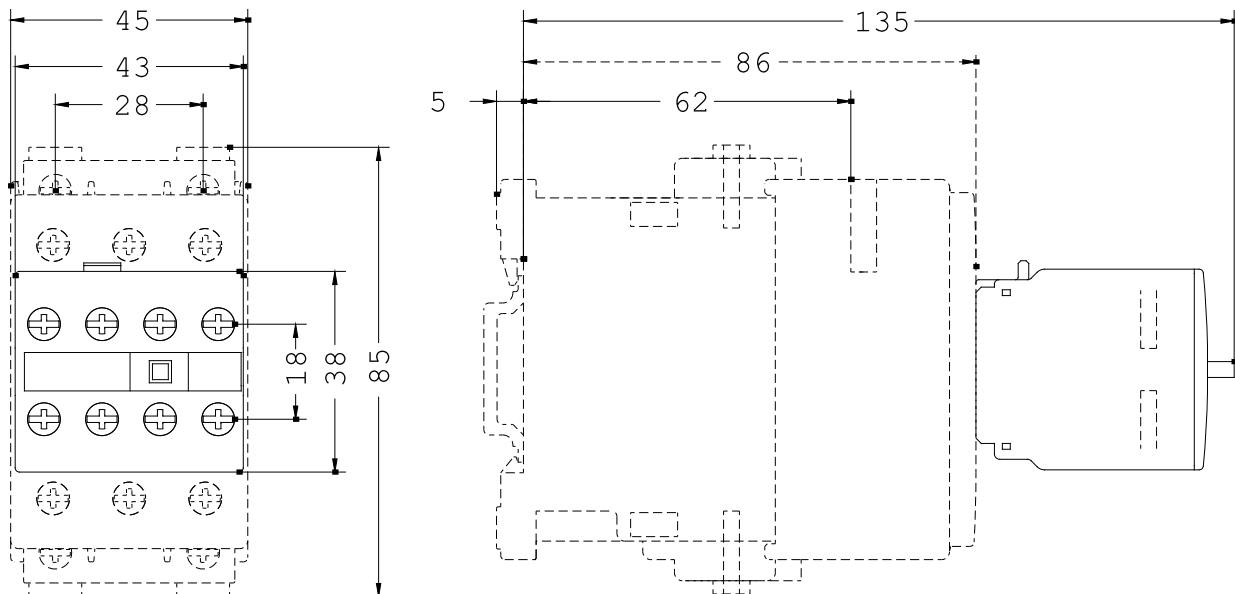
<http://www.siemens.com/cax>

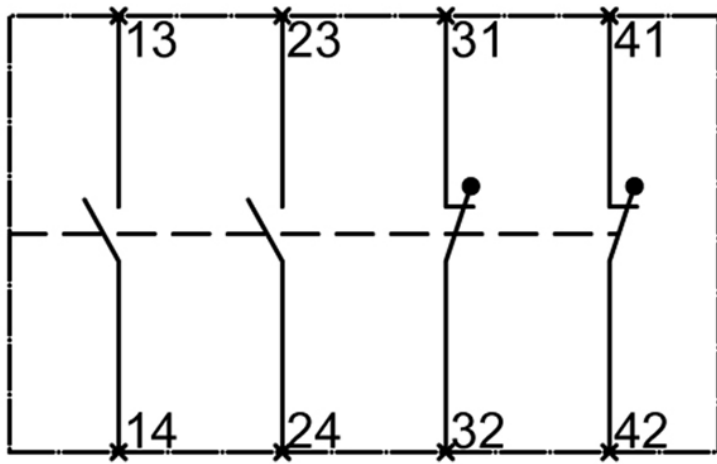
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WWW/view/en/3RH1921-1FA22/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RH1921-1FA22](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1921-1FA22)





last change:

Nov 22, 2014