

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



General technical data:

product brand name		SIRIUS
Suitability for use		Contactor 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
Number of NO contacts / for auxiliary contacts		
• instantaneous contact		2
Operating current / of the auxiliary contacts / at AC-12		
• at 24 V	A	10
• at 230 V	A	10
• maximum	A	10
Operating current		
• 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
Operating current		
• 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
Operating current		
• 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:

Mounting type		snap-on mounting
Width	mm	44
Height	mm	38
Depth	mm	51

Connections/ terminals:

Design of the electrical connection		screw-type terminals
<ul style="list-style-type: none"> • for auxiliary and control current circuit 		
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> • finely stranded <ul style="list-style-type: none"> • with core end processing • for AWG conductors / for auxiliary contacts 		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14)

Safety:

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

Certificates/ approvals:

General Product Approval

Functional Safety /
Safety of
Machinery

Declaration of
Conformity



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

Test Certificates

[Special Test
Certificate](#)

[Type Test
Certificates/Test
Report](#)

Shipping Approval



ABS



BUREAU
VERITAS



GL



LRS



RINA



RMRS

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

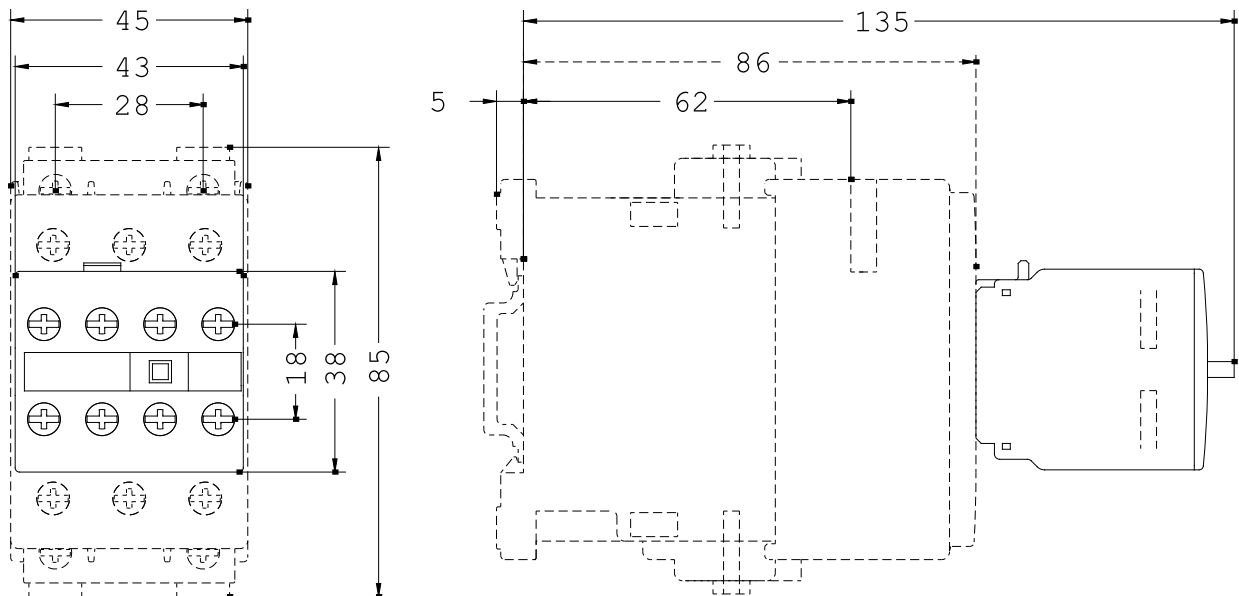
<http://www.siemens.com/cax>

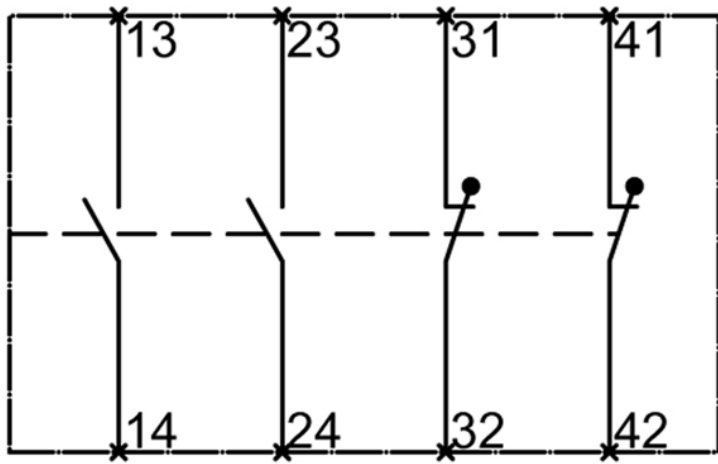
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





last change:

Nov 22, 2014