

Auxiliary switch block, 13, 1 NO + 3 NC, EN 50012, 4-pole, screw terminal, Size S0...S3 for motor contactors, 2-pole,

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	-55 ... +80 °C
• during operation	-25 ... +60 °C
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 auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV

Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	3
Number of NO contacts for auxiliary contacts	
• instantaneous contact	1
Operating current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
Operating current	
• of auxiliary contacts	
— at AC-14	
— at 125 V	6 A
— at 250 V	6 A
— at AC-15	
— at 24 V	6 A
— at 230 V	6 A
— at 400 V	3 A
• at AC-15 at 690 V rated value	1 A
Operating current	

- of auxiliary contacts at DC-12
  - at 24 V 10 A
  - at 110 V 3 A
  - at 220 V 1 A
- with 2 current paths in series at DC-12
  - at 24 V rated value 10 A
  - at 60 V rated value 10 A
  - at 110 V rated value 4 A
  - at 220 V rated value 2 A
  - at 440 V rated value 1.3 A
  - at 600 V rated value 0.65 A
- with 3 current paths in series at DC-12
  - at 24 V rated value 10 A
  - at 60 V rated value 10 A
  - at 110 V rated value 10 A
  - at 220 V rated value 3.6 A
  - at 440 V rated value 2.5 A
  - at 600 V rated value 1.8 A

#### Operating current

- of auxiliary contacts at DC-13
  - at 24 V 6 A
  - at 60 V 2 A
  - at 110 V 1 A
  - at 220 V 0.3 A
- with 2 current paths in series at DC-13
  - at 24 V rated value 10 A
  - at 60 V rated value 3.5 A
  - at 110 V rated value 1.3 A
  - at 220 V rated value 0.9 A
  - at 440 V rated value 0.2 A
  - at 600 V rated value 0.1 A
- with 3 current paths in series at DC-13
  - at 24 V rated value 10 A
  - at 60 V rated value 4.7 A
  - at 110 V rated value 3 A
  - at 220 V rated value 1.2 A
  - at 440 V rated value 0.5 A
  - at 600 V rated value 0.26 A

#### Installation/ mounting/ dimensions

<b>Mounting type</b>	snap-on mounting
<b>Width</b>	44 mm

Height	38 mm
Depth	51 mm

### Connections/Terminals

Type of electrical connection for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— finely stranded</li> <li>— with core end processing</li> </ul> </li> <li>• at 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 related data

Product function Mirror contact acc. to IEC 60947-4-1 <ul style="list-style-type: none"> <li>• Note</li> </ul>	Yes 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
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[Type Examination](#)



Test Certificates	Shipping Approval	other	Railway
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[Special Test Certificate](#)



[Confirmation](#)

[Vibration and Shock](#)

### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1HA13>

Cax online generator

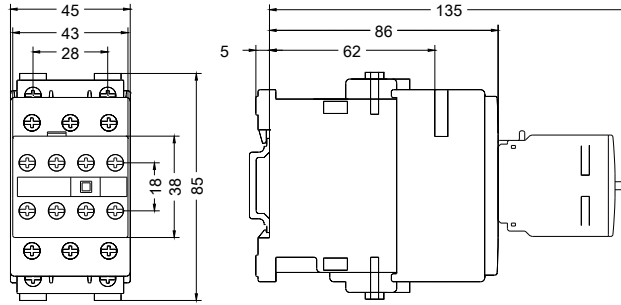
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1HA13>

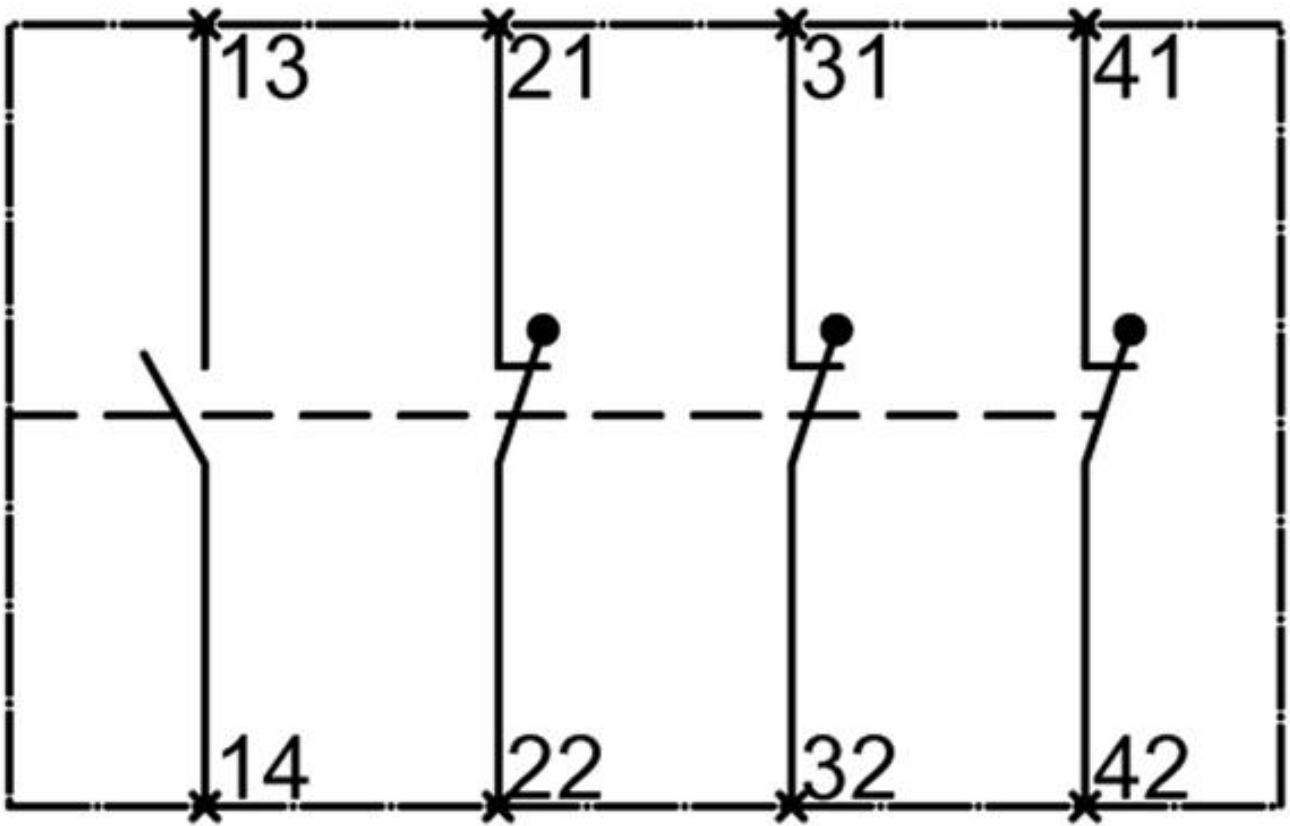
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1HA13>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1921-1HA13&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1HA13&lang=en)





Internal circuit diagram IEC

last modified:

05/19/2018