



AUXILIARY SWITCH BLOCK, 1 NO,  
DIN EN50005, SCREW CONNECTION,  
FOR CONTACTORS FOR SWITCHING MOTORS,  
1-POLE

### General technical data:

<b>product brand name</b>		SIRIUS
<b>Acceptability for application</b>		Contactor relay and power contactor
<b>Protection class IP / on the front</b>		IP20
<b>Ambient temperature</b>		
• during storage	°C	-55 ... +80
• during operating	°C	-25 ... +60
<b>Mechanical operating cycles as operating time</b>		
• typical		10,000,000
<b>Electrical operating cycles as operating time / at AC-15 / at 230 V</b>		
• typical		200,000
<b>Contact reliability</b>		one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
<b>Contact reliability / of the auxiliary contacts</b>		1 faulty switching per 100 million (17 V, 1 mA)
<b>Insulation voltage / with degree of pollution 3</b>		
• rated value	V	690
<b>Impulse voltage resistance</b>		
• rated value	kV	6

### Auxiliary circuit:

<b>Number of NC contacts / for auxiliary contacts</b>		
• instantaneous switching		0
<b>Number of NO contacts / for auxiliary contacts</b>		
• instantaneous switching		1
<b>Operating current / of the auxiliary contacts / at AC-12</b>		
• at 24 V	A	10
• at 230 V	A	10
• at 400 V	A	10
• at 690 V	A	10
• maximum	A	10
<b>Operating current / of the auxiliary contacts / at AC-14</b>		
• at 125 V	A	6
• at 250 V	A	6
<b>Operating current / of the auxiliary contacts / at AC-15</b>		
• at 24 V	A	6
• at 230 V	A	6
• at 690 V	A	1
• at 400 V	A	3
<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	10
• 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
- 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	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 10

##### Height

mm 38

##### Depth

mm 51

#### Connections:

##### Design of the electrical connection

- for auxiliary and control current circuit

screw-type terminals

##### Type of the connectable conductor cross-section

- for auxiliary contacts
  - solid
  - finely stranded
    - with conductor end processing
- for AWG conductors / for auxiliary contacts

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)

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 Parameter:

##### Product function / mirror contact to IEC 60947-4-1

Yes

##### Product function / positively driven operation to IEC 60947-5-1

No

#### Certificates/approvals:

## General Product Approval

Functional Safety /  
Safety of  
Machinery

Declaration of  
Conformity



CCC



CSA



GOST



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:

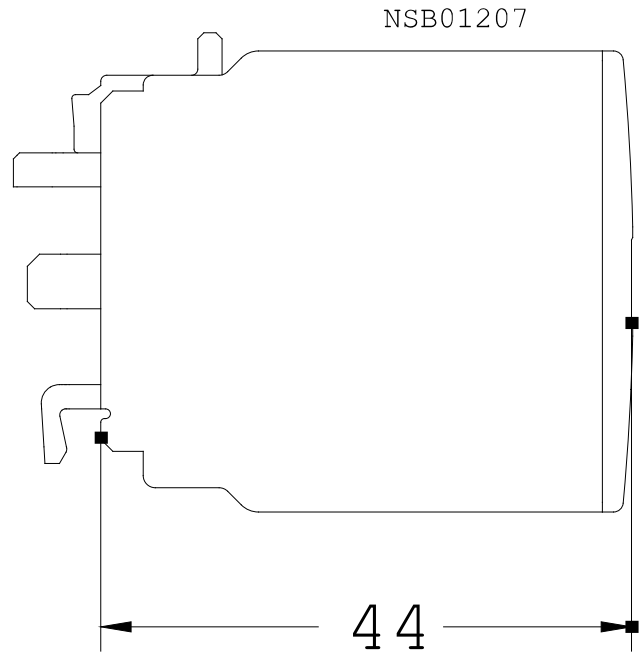
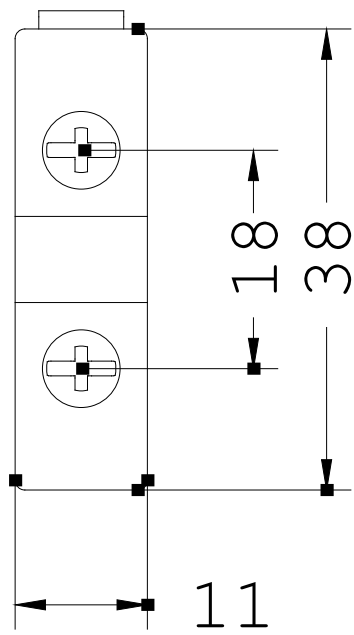
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RH1921-1CA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RH1921-1CA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1921-1CA10)



last change:

Feb 4, 2013