



CIRCUIT-BREAKER N-RELEASE 104A,  
SIZE S0, STARTER PROTECTION,  
100 KA SCREW CONNECTION STANDARD BREAKING  
CAPACITY

### General technical data:

<b>product brand name</b>		SIRIUS
<b>Product designation</b>		circuit breaker
<b>Size of the circuit-breaker</b>		S0
<b>Number of poles / for main current circuit</b>		3
<b>Product function</b>		
• removable terminal for auxiliary and control circuit		No
• overload protection		No
• phase disturbance recognition		No
• short-circuit to earth recognition		No
<b>Product component</b>		
• auxiliary switch		No
• undervoltage release mechanism		No
• trip indicator		No
<b>Product extension</b>		
• auxiliary switch		Yes
• optional / motor drive		No
<b>Impulse voltage resistance / rated value</b>	V	6,000
<b>Protection class IP / on the front</b>		IP20
<b>Protection against electrical shock</b>		finger-safe

<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Resistance against shock</b>		25g / 11 ms
<b>Ambient temperature</b>		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
<b>Active power loss / total / typical</b>	W	7

#### Main circuit:

<b>Operating voltage / rated value</b>	V	690
<b>Service power / at AC-3 / at 400 V / rated value</b>	kW	3
<b>Operating current / at AC-3 / at 400 V / rated value</b>	A	8
<b>Mechanical operating cycles as operating time / of the main contacts / typical</b>		100,000
<b>Frequency of operation / with AC-3 / maximum</b>	1/h	15

#### Auxiliary circuit:

<b>Number of changeover contacts / for auxiliary contacts</b>		0
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#### Installation/mounting/dimensions:

<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<b>mounting position</b>		any
<b>Depth</b>	mm	96
<b>Height</b>	mm	97
<b>Width</b>	mm	45

#### Connections:

<b>Arrangement of electrical connectors / for main current circuit</b>		front side
<b>Design of the electrical connection</b>		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
<b>Type of the connectable conductor cross-section</b>		
• for main contacts		
• solid		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• finely stranded		
• with conductor end processing		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• stranded		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• for AWG conductors / for main contacts		2x (14 ... 10)

#### Certificates/approvals:

## General Product Approval



## Test Certificates

[Special Test Certificate](#)

## Shipping Approval

## other



[Confirmation](#)

[Declaration of Conformity](#)

[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:

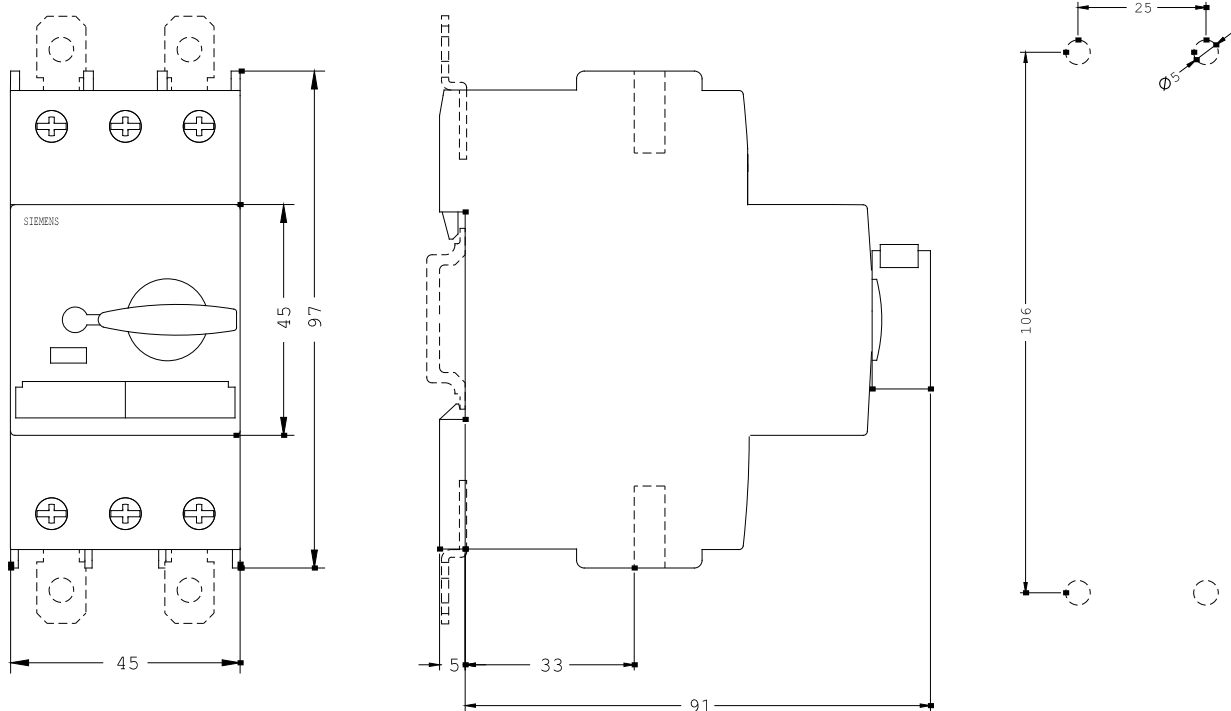
<http://www.siemens.com/cax>

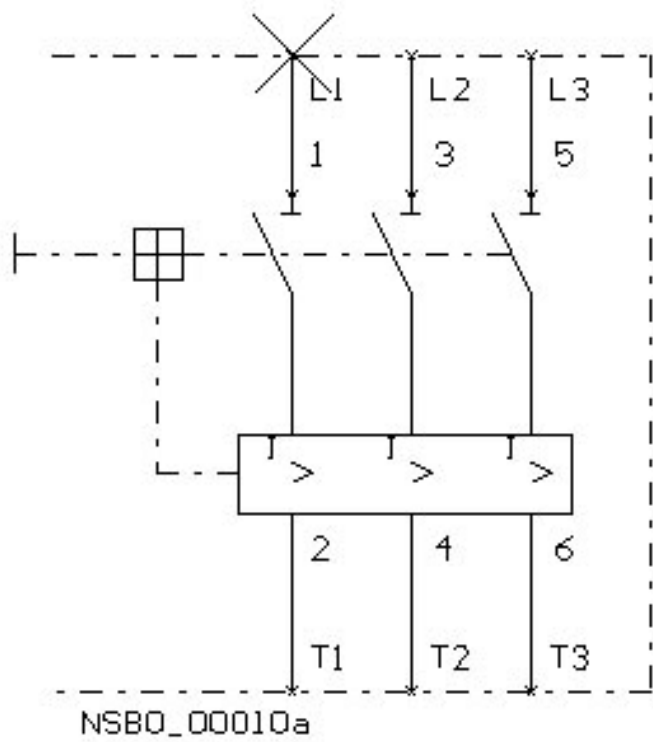
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV1321-1HC10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1321-1HC10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1321-1HC10)





last change:

Jul 7, 2014