



CIRCUIT-BREAKER SIZE S0,  
FOR MOTOR PROTECTION, CLASS 10,  
A-REL. 3.5...5A, N-REL. 65A,  
SCREW TERMINAL,  
STANDARD SWITCHING 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		Yes
• phase disturbance recognition		Yes
• 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

Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +70
Active power loss / total / typical	W	6

<b>Main circuit:</b>		
Operating voltage / rated value	V	690
type of voltage		AC/DC
Service power / at AC-3 / at 400 V / rated value	kW	1.5
Operating current / at AC-3 / at 400 V / rated value	A	5
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	15

<b>Auxiliary circuit:</b>		
Number of changeover contacts / for auxiliary contacts		0

<b>Protection function:</b>		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	3.5 ... 5
Breaking capacity limit short-circuit current (I <sub>cu</sub> )		
• at 400 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	6

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

<b>Connections:</b>		
Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		

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

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

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2x (14 ... 10)

## Certificates/approvals:

### General Product Approval



CSA



GOST



KETI



UL

### Test Certificates

[Special Test Certificate](#)

### Shipping Approval



ABS



LRS



RMRS

### 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:

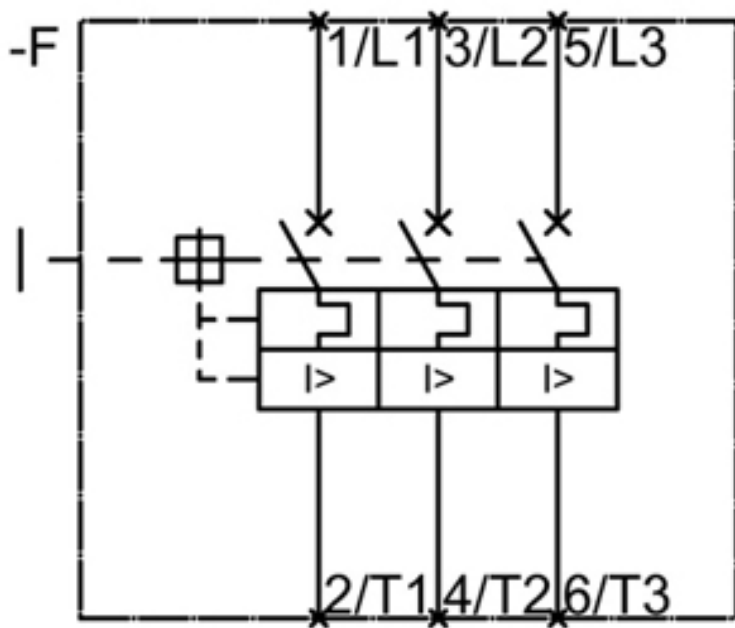
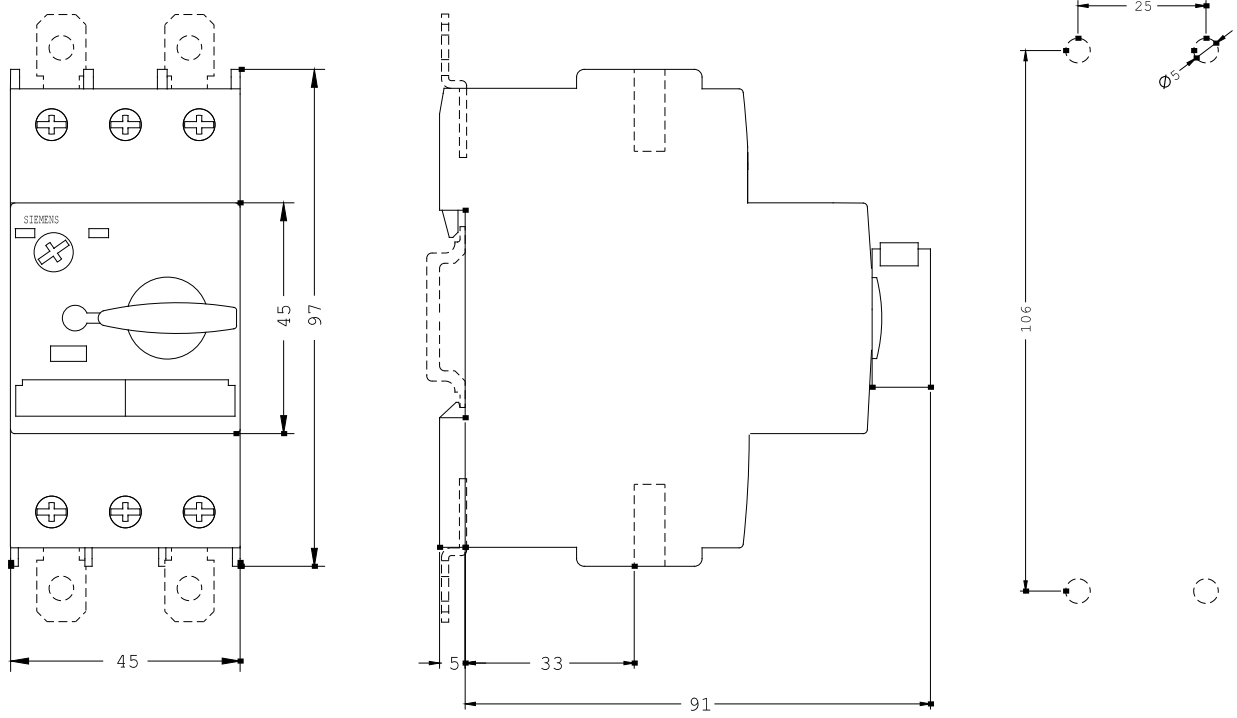
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1021-1FA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1021-1FA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1021-1FA10)



last change:

Oct 28, 2013