



CIRCUIT-BREAKER SIZE S0,  
FOR MOTOR PROTECTION, CLASS 10,  
A-REL. 20...25A, N-REL. 325A,  
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 failure detection		Yes
• Ground fault detection		No
<b>Product component</b>		
• Auxiliary switch		No
• undervoltage release		No
• Trip indicator		No
<b>Product expansion</b>		
• Auxiliary switch		Yes
• optional / motor drive		No
<b>Surge 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 height above sea level / maximum</b>	m	2,000
<b>Shock resistance</b>		25g / 11 ms
<b>Ambient temperature</b>		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operation	°C	-20 ... +60
<b>Active power loss / total / typical</b>	W	8

#### Main circuit:

<b>Operating voltage / Rated value</b>	V	690
<b>Operating power / at AC-3 / at 400 V / Rated value</b>	kW	11
<b>Operating current / at AC-3 / at 400 V / Rated value</b>	A	25
<b>Mechanical service life (switching cycles) / of the main contacts / typical</b>		100,000
<b>Operating frequency / at AC-3 / maximum</b>	1/h	15

#### Auxiliary circuit:

<b>Number of CO contacts / for auxiliary contacts</b>		0
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#### Protection function:

<b>Trip class</b>		CLASS 10
<b>Adjustable response value current / of the current-dependent overload release</b>	A	20 ... 25

#### 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 connectable conductor cross-section</b>		
• for main contacts		
• solid		2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )
• finely stranded		
• with core end processing		2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )
• stranded		2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )

**Certificates/approvals:**

**General Product Approval**



CCC



CSA



UL

**Test Certificates**

[Special Test Certificate](#)

**Shipping Approval**



ABS



BUREAU  
VERITAS



DNV



GL



LRS



RMRS

**other**

[Confirmation](#)



VDE

[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:**

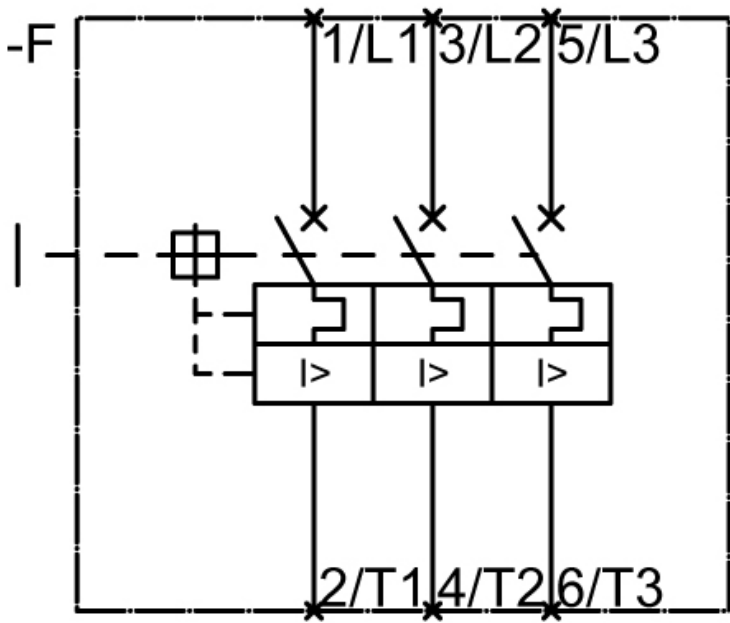
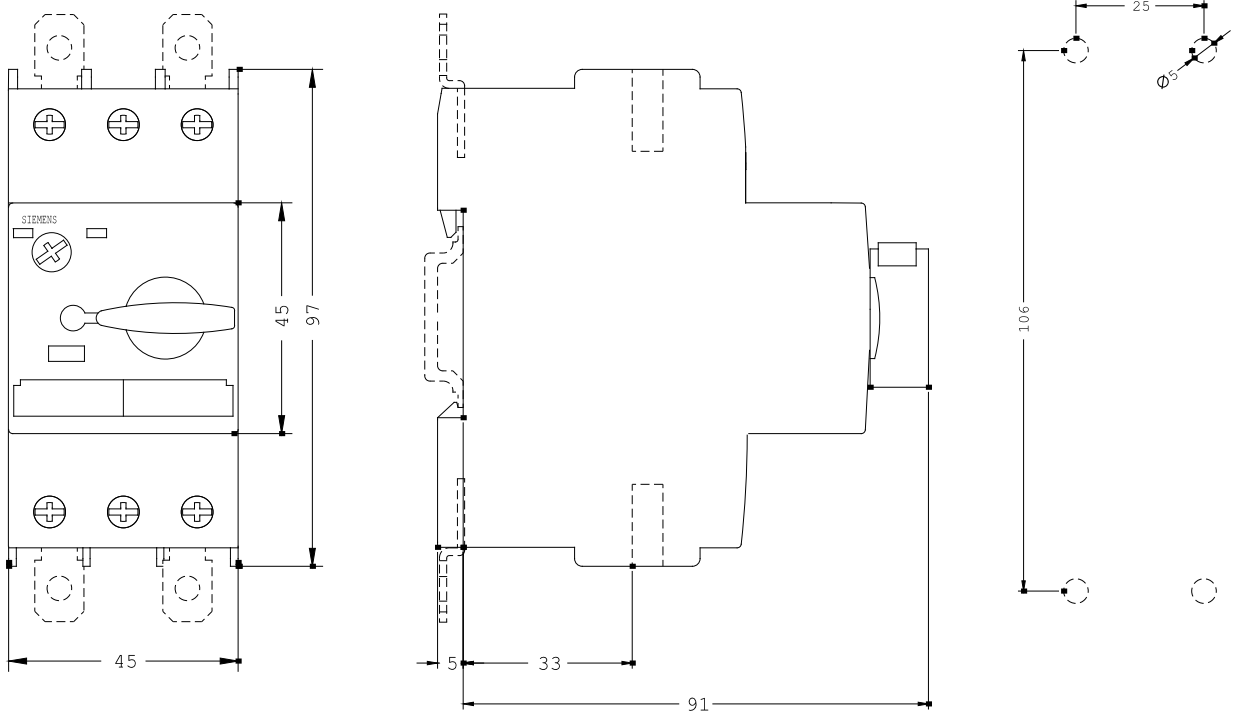
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1021-4DA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1021-4DA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1021-4DA10)



last change:

Dec 8, 2014