



CIRCUIT-BREAKER, SIZE S00,
FOR MOTOR PROTECTION, CLASS 10,
A-RELEASE 4.5...6.3 A, N-RELEASE 82 A,
CAGE-CLAMP CONNECTION STANDARD SWITCHING
CAPACITY W. TRANSV. AUX. SWITCH 1NO+1NC

General technical data:		
product brand name		SIRIUS
Product designation		circuit breaker
Size of the circuit-breaker		S00
Number of poles / for main current circuit		3
Product function		
• removable terminal for auxiliary and control circuit		No
• overload protection		Yes
• phase disturbance recognition		Yes
• short-circuit to earth recognition		No
Product component		
• auxiliary switch		Yes
• undervoltage release mechanism		No
• trip indicator		Yes
Product extension		
• auxiliary switch		Yes
• optional / motor drive		No
Impulse voltage resistance / rated value	V	6,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature - during transport - during storage - during operating	°C °C °C	-50 ... +80 -50 ... +80 -20 ... +60
Active power loss / total / typical	W	6

Main circuit:		
Operating voltage / rated value	V	690
Service power / at AC-3 / at 400 V / rated value	kW	2.2
Operating current / at AC-3 / at 400 V / rated value	A	6.3
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Frequency of operation / with AC-3 / maximum	1/h	15

Auxiliary circuit:		
Design of the auxiliary switch		transverse
Number of changeover contacts / for auxiliary contacts		0
Operating current / of the auxiliary contacts - at AC-15 - at 24 V - at 230 V - at DC-13 - at 24 V - at 60 V	A A A A	2 0.5 1 0.15

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	4.5 ... 6.3

Installation/mounting/dimensions:		
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
mounting position		any
Depth	mm	81
Height	mm	90
Width	mm	45

Connections:		
Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection		

• for main current circuit • for auxiliary and control current circuit	Cage Clamp terminals
Type of the connectable conductor cross-section	Cage Clamp terminals
• for main contacts • solid • finely stranded • without conductor final cutting • with conductor end processing • for AWG conductors / for main contacts • for auxiliary contacts • solid • finely stranded / with conductor end processing • for AWG conductors / for auxiliary contacts	2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 14) 2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 14)

Certificates/approvals:

General Product Approval



CCC



CSA



Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

other



RINA



RMRS

[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:

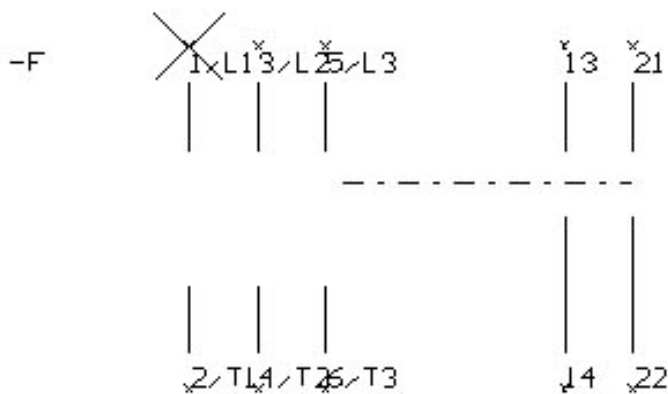
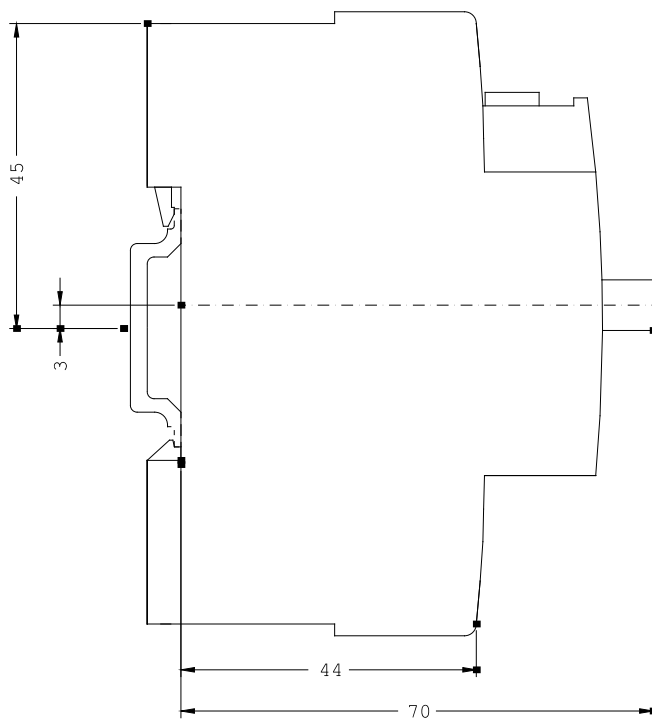
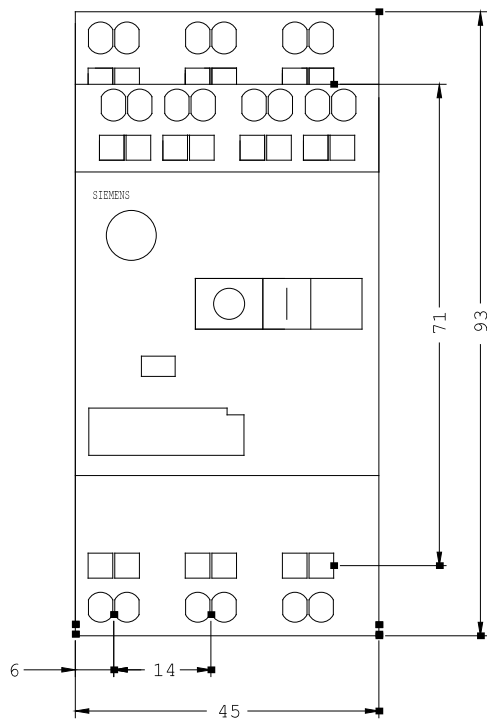
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1011-1GA25/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-1GA25



last change:

Aug 4, 2014