



CIRCUIT-BREAKER SIZE S0,
FOR TRANSFORMER PROTECTION,
A TRIP 11...16 A, N TRIP 286 A,
SCREW TERMINAL,
STANDARD SWITCHING CAPACITY AUX. SWITCH
TRANSVERSE 1NO+1NC

General technical data:

product brand name		SIRIUS
Product designation		circuit breaker
Size of the circuit-breaker		S0
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	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
Active power loss / total / typical	W	7

Main circuit:

Operating voltage / rated value	V	690
Operating current / at AC-3 / at 400 V / rated value	A	16
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	A	2
• at 230 V	A	0.5
• at DC-13		
• at 24 V	A	1
• at 60 V	A	0.15

Protection function:

Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	11 ... 16

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	96
Height	mm	97
Width	mm	45

Connections:

Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection		
• for main current circuit		screw-type terminals

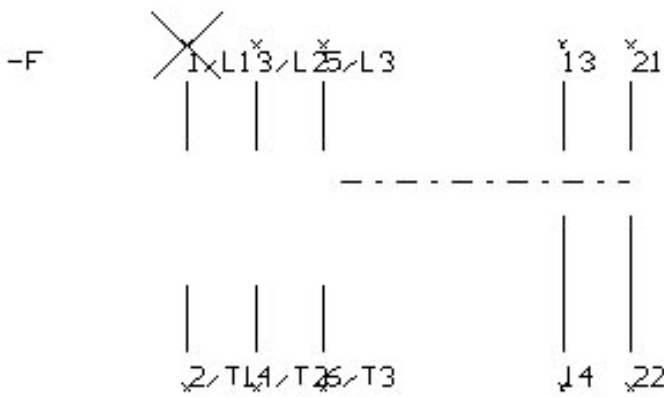
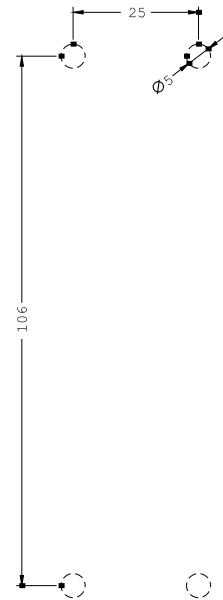
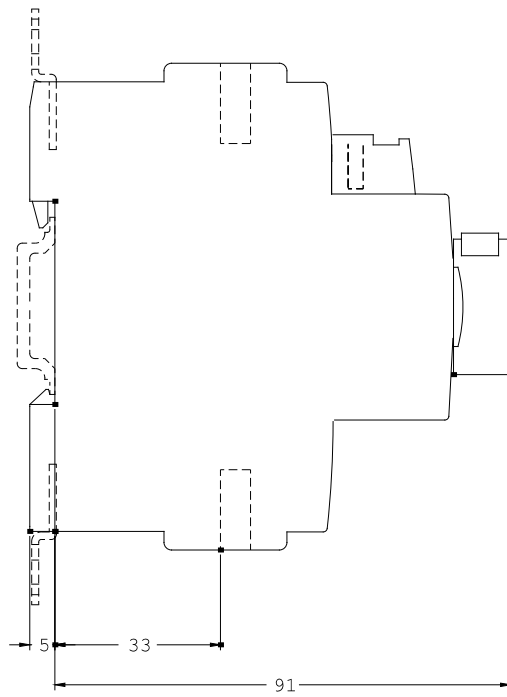
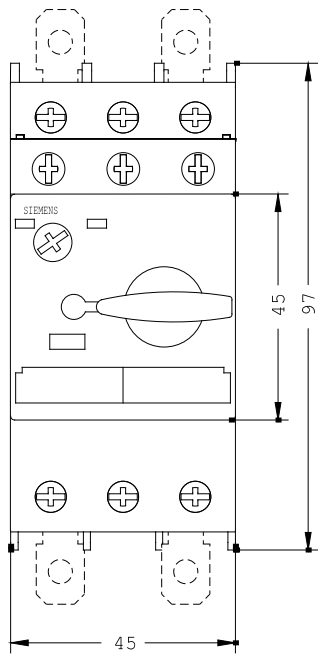
<ul style="list-style-type: none"> • for auxiliary and control current circuit 	screw-type terminals
Type of the connectable conductor cross-section <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • stranded • for AWG conductors / for main contacts • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded / with conductor end processing • for AWG conductors / for auxiliary contacts 	2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (14 ... 10) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14)

Certificates/approvals:

General Product Approval				Test Certificates	
				Special Test Certificate	
CCC	CSA	EAC	UL		
Shipping Approval					
					
ABS	BUREAU VERITAS	DNV	GL	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/3RV1421-4AA15/all>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1421-4AA15



last change:

Jul 7, 2014