



CIRCUIT-BREAKER, SIZE S0,
FOR MOTOR PROTECTION, CLASS 10,
A REL.5.5...8 A, N REL.104 A,
SCREW CONNECTION,
STANDARD BREAKING CAPACITY,
W. TRANSV. AUX. SWITCH 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 ... +70
Active power loss / total / typical	W	7

Main circuit:

Operating voltage / rated value	V	690
Type of voltage		AC/DC
Service power / at AC-3 / at 400 V / rated value	kW	3
Operating current / at AC-3 / at 400 V / rated value	A	8
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	5.5 ... 8
Breaking capacity limit short-circuit current (I_{cu})		
• at 400 V / rated value	kA	100
• at 500 V / rated value	kA	42
• at 690 V / rated value	kA	6

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		
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		screw-type terminals 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



CCC



CSA



KETI



UL

[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)

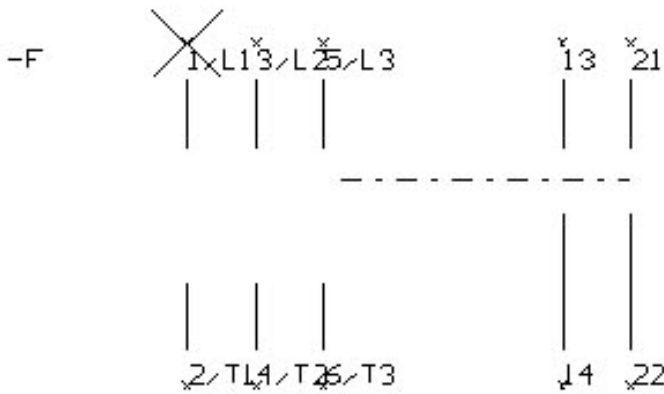
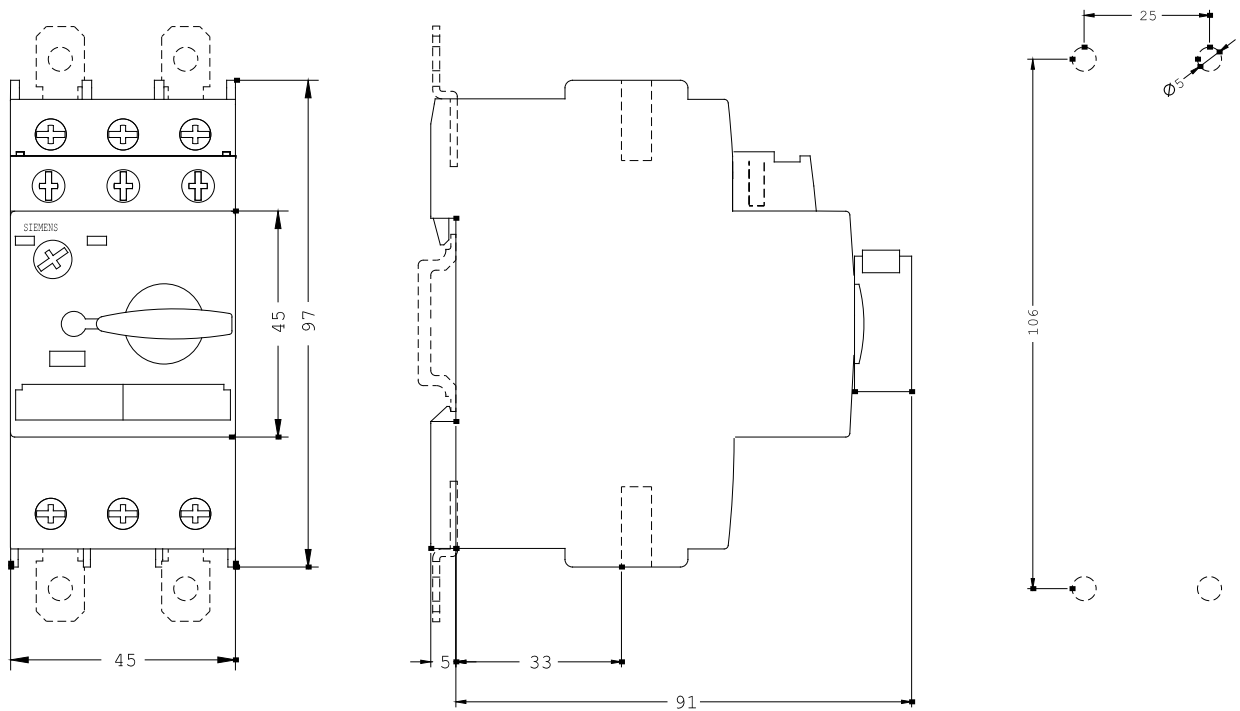
<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

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

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

<http://support.automation.siemens.com/WW/view/en/3RV1021-1HA15/all>



last change:

Mar 17, 2014