



CIRCUIT-BREAKER, SIZE S0,
FOR MOTOR PROTECTION, CLASS 10,
A REL.0.55...0.80A, N REL.10 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 failure detection		Yes
• Ground fault detection		No
Product component		
• Auxiliary switch		Yes
• undervoltage release		No
• Trip indicator		Yes
Product expansion		
• Auxiliary switch		Yes
• optional / motor drive		No
Surge voltage resistance / Rated value	V	6,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

Installation altitude / at height above sea level / maximum	m	2,000
Shock resistance		25g / 11 ms
Ambient temperature		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operation	°C	-20 ... +60
Active power loss / total / typical	W	6

Main circuit:

Operating voltage / Rated value	V	690
Operating power / at AC-3 / at 400 V / Rated value	kW	0.18
Operating current / at AC-3 / at 400 V / Rated value	A	0.8
Mechanical service life (switching cycles) / of the main contacts / typical		100,000
Operating frequency / at AC-3 / maximum	1/h	15

Auxiliary circuit:

Design of the auxiliary switch		transverse
Number of CO 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 value current / of the current-dependent overload release	A	0.55 ... 0.8

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 	<p>screw-type terminals</p> <p>screw-type terminals</p>
Type of 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 core end processing • stranded • for AWG conductors / for main contacts • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded / with core end processing • for AWG conductors / for auxiliary contacts 	<p>2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)</p> <p>2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)</p> <p>2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)</p> <p>2x (14 ... 10)</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (18 ... 14)</p>

Certificates/approvals:

General Product Approval



CCC



CSA



UL

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



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:

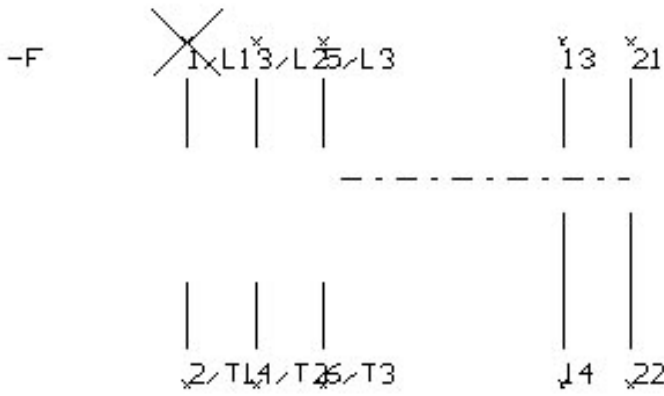
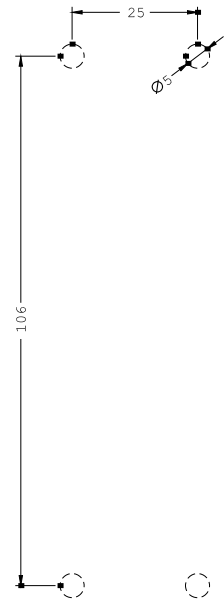
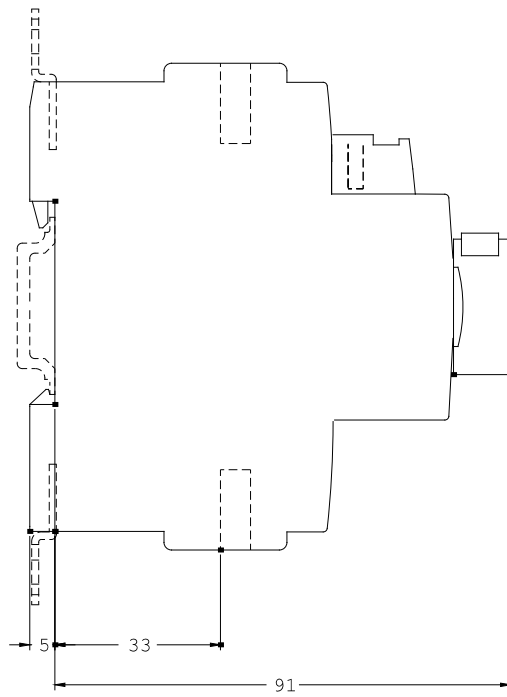
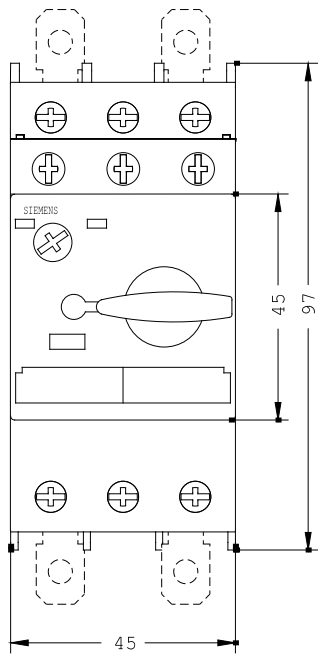
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RV1021-0HA15/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1021-0HA15



last change:

Oct 8, 2014