



CIRCUIT-BREAKER FOR VOLTAGE TRANSFORMER,
1CO, S00, 1.4A

General technical data:

Product brand name		SIRIUS
Size of the circuit-breaker		S00
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Protection class IP / on the front		IP20
Ambient temperature		
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +70
• during transport	°C	80 ... -50
Resistance against shock		15g / 11 ms
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	V	6,000
Item designation		
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		Q
• according to DIN EN 61346-2		Q
Mechanical operating cycles as operating time / of the main contacts / typical		10,000
Design of the auxiliary switch		integrated, transverse
Type of the driving mechanism / motor drive		No

Design of the operating mechanism		rocker
Product function		
• overload protection		Yes
• phase disturbance recognition		Yes
Product component		
• auxiliary switch		Yes
• undervoltage release mechanism		No
• trip indicator		Yes
Product extension / optional / motor drive		No

Main circuit:

Number of poles / for main current circuit		3
type of voltage		AC
Operating voltage / at AC-3 / rated value / maximum	V	400
Frequency of operation / at AC-3 / according to IEC 60947-6-2 / maximum	1/h	15
Arrangement of electrical connectors / for main current circuit		front side
Adjustable response current		
• of the non-delayed short-circuit release	A	6 ... 6
Adjustable response current		
• of the current-dependent overload release	A	1.4 ... 1.4
Continuous current / rated value	A	1.4
Product extension / auxiliary switch		Yes

Auxiliary circuit:

Number of NC contacts / for auxiliary contacts / instantaneous switching		1
Number of NO contacts / for auxiliary contacts / instantaneous switching		1
Number of change-over switches / for auxiliary contacts		1

Inputs/ Outputs:

Number of digital inputs		0
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Short-circuit:

Breaking capacity limit short-circuit current (I_{cu})		
• at 400 V / rated value	kA	50
Design of the electrical connection / for auxiliary and control current circuit		screw-type terminals
Design of the overcurrent release and short-circuit release		thermomagnetic

Installation/mounting/dimensions:




Built in orientation		any
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Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Width	mm	45
Height	mm	90
Depth	mm	75
Distance, to be maintained, to the ranks assembly <ul style="list-style-type: none"> • backwards • sideways 	mm mm	0 0
Product function / removable terminal for auxiliary and control circuit		No

Connections:

Design of the electrical connection <ul style="list-style-type: none"> • for main 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 • stranded • finely stranded <ul style="list-style-type: none"> • with conductor end processing • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded / with conductor end processing 		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 (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 (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
Conductor cross section that can be connected / for main contacts <ul style="list-style-type: none"> • solid • stranded • stranded wire <ul style="list-style-type: none"> • with conductor end processing 	mm ² mm ² mm ²	0.5 ... 2.5 0.5 ... 2.5 0.5 ... 2.5
Conductor cross-section that can be connected / for auxiliary contact <ul style="list-style-type: none"> • solid • stranded wire <ul style="list-style-type: none"> • with conductor end processing 	mm ² mm ²	0.5 ... 2.5 0.5 ... 2.5

Certificates/approvals:

General Product Approval		Test Certificates	Shipping Approval	
 CQC	KETI	ROSTEST	Manufacturer	 ABS  RINA
other				
Manufacturer other				

Safety:

Protection against electrical shock

finger-safe

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

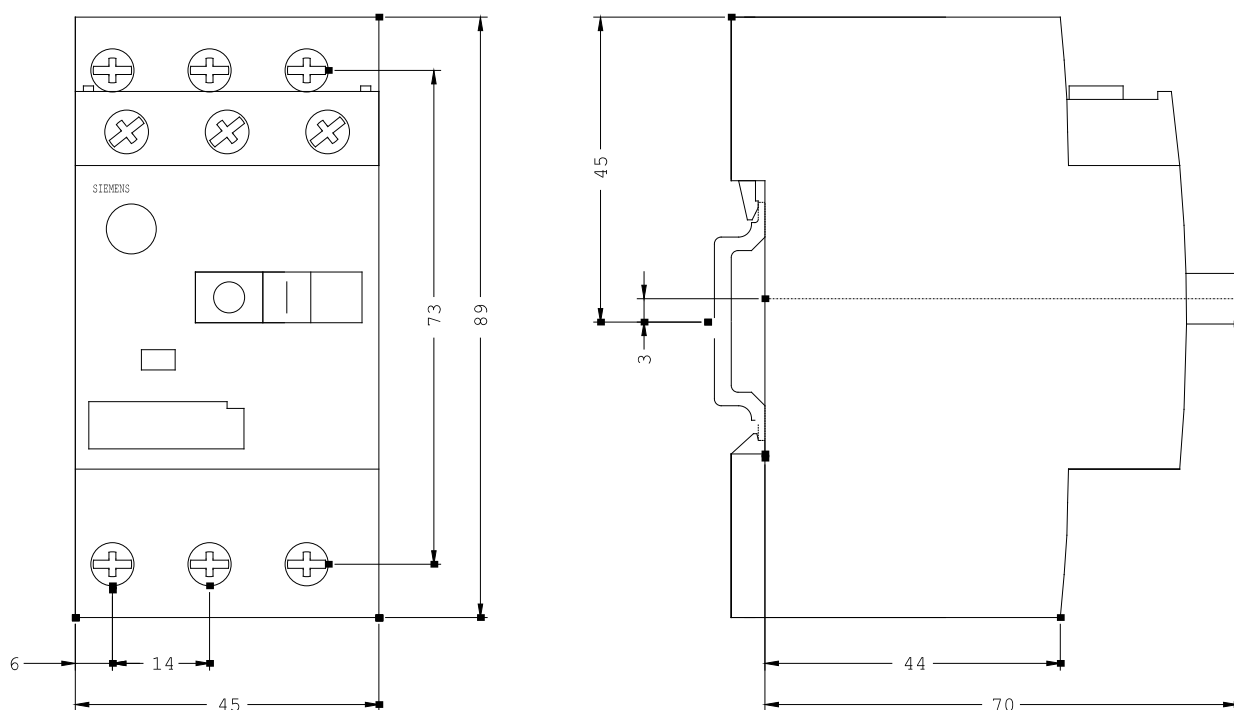
<http://www.siemens.com/cax>

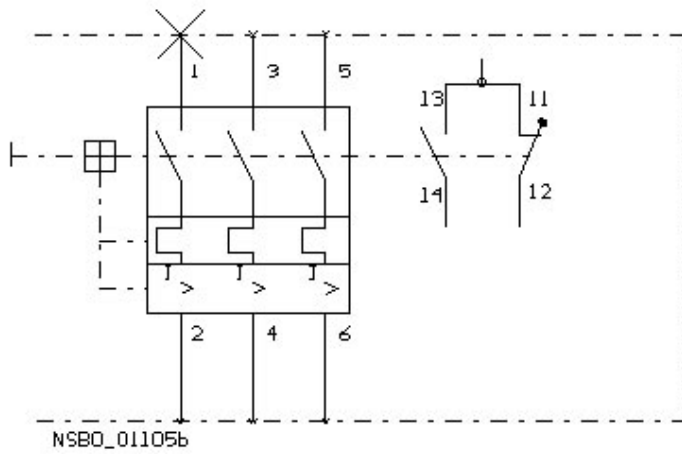
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV1611-1AG14/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1611-1AG14





last change:

Dec 24, 2011