



CIRCUIT-BREAKER FOR VOLTAGE TRANSFORMER,  
1CO, S00, 3A

### 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

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

#### Main circuit:

<b>Number of poles / for main current circuit</b>		3
<b>type of voltage</b>		AC
<b>Operating voltage / at AC-3 / rated value / maximum</b>	V	400
<b>Frequency of operation / at AC-3 / according to IEC 60947-6-2 / maximum</b>	1/h	15
<b>Arrangement of electrical connectors / for main current circuit</b>		front side
<b>Adjustable response current</b>		
• of the non-delayed short-circuit release	A	20 ... 20
<b>Adjustable response current</b>		
• of the current-dependent overload release	A	3 ... 3
<b>Continuous current / rated value</b>	A	3
<b>Product extension / auxiliary switch</b>		Yes

#### Auxiliary circuit:

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

#### Inputs/ Outputs:

<b>Number of digital inputs</b>		0
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#### Short-circuit:

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

#### Installation/mounting/dimensions:




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

#### Connections:

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

#### Certificates/approvals:

General Product Approval		Test Certificates	Shipping Approval	
 CQC	<a href="#">KETI</a>	<a href="#">ROSTEST</a>	<a href="#">Manufacturer</a>	 ABS  RINA
<b>other</b>				
<a href="#">Manufacturer</a> <a href="#">other</a>				

## 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**

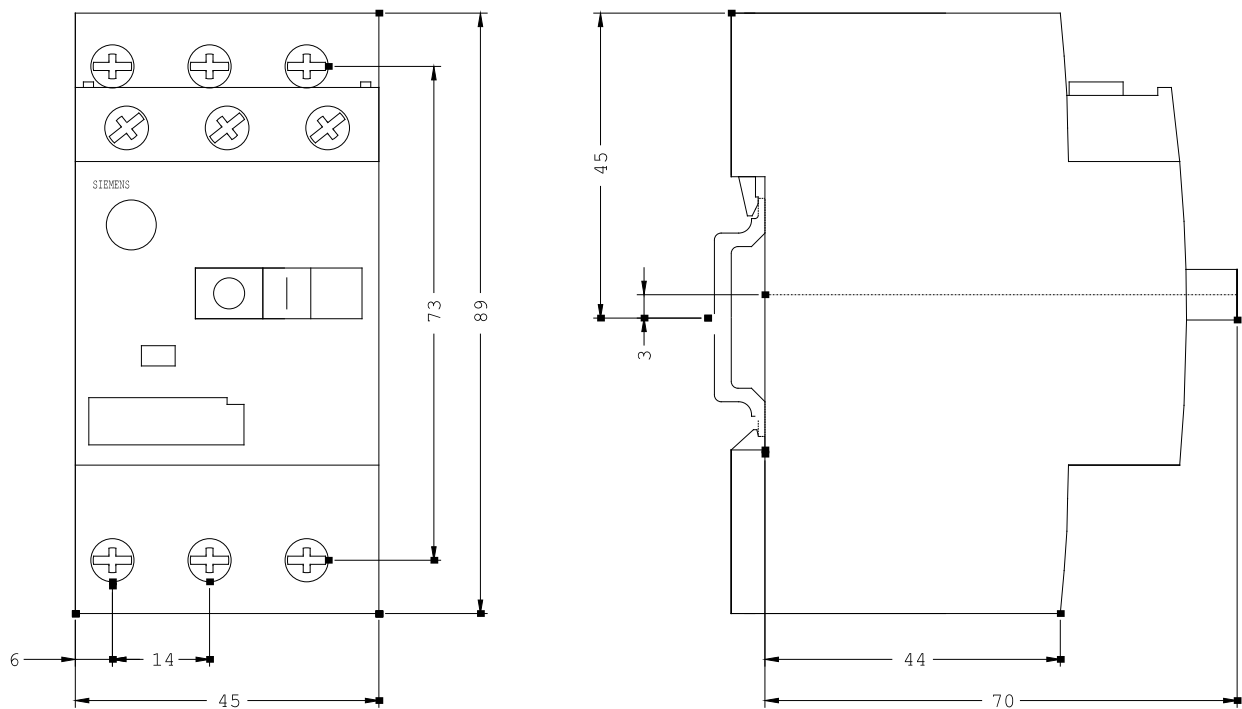
<http://www.siemens.com/cax>

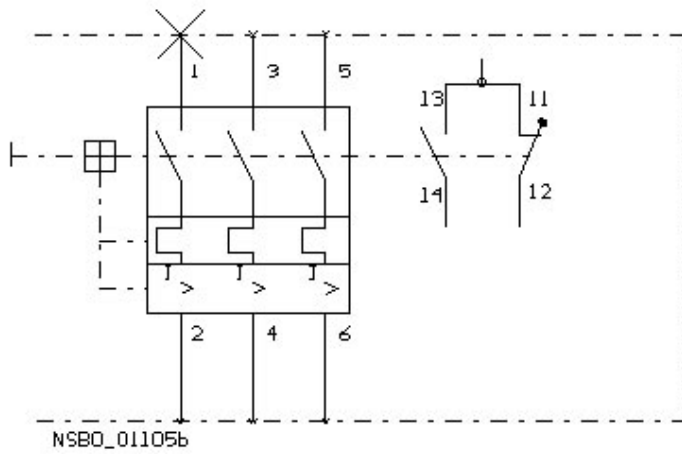
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3RV1611-1DG14/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1611-1DG14](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1611-1DG14)





last change:

Dec 24, 2011