



CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL.2.2...3.2A, N REL.42A, 1NO + 1NC TRANSVERSE, SCREW CONN., STANDARD BREAKING CAPAC.

General technical data:	
product brand name	SIRIUS
product designation	circuit breaker
Size of the circuit-breaker	S00
Trip class	CLASS 10
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	25g / 11 ms
Insulation voltage / rated value	V 690
Impulse voltage resistance / rated value	V 6,000
Active power loss / total / typical	W 6
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	100,000
Design of the auxiliary switch	transverse
Type of the driving mechanism / motor drive	No
Design of the operating mechanism	rocker
Product function	
• overload protection	Yes
	Yes

<ul style="list-style-type: none"> • phase disturbance recognition 	
Product component	
<ul style="list-style-type: none"> • auxiliary switch • undervoltage release mechanism • trip indicator 	Yes No Yes
Product extension / optional / motor drive	No

Main circuit:

Number of poles / for main current circuit		3
type of voltage		AC/DC
Operating voltage / at AC-3 / rated value / maximum	V	690
Operating current / at AC-3 / at 400 V / rated value	A	3.2
Service power / at AC-3		
<ul style="list-style-type: none"> • at 400 V / rated value 	kW	1.1
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		
<ul style="list-style-type: none"> • of the non-delayed short-circuit release 	A	42...42
Adjustable response current		
<ul style="list-style-type: none"> • of the current-dependent overload release 	A	2.2...3.2
Continuous current / rated value	A	3.2
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		0
Operating current / of the auxiliary contacts		
<ul style="list-style-type: none"> • at AC-15 • at 24 V • at 230 V 	A	2
<ul style="list-style-type: none"> • at DC-13 • at 24 V • at 60 V 	A	0.5
	A	1
	A	0.15

Inputs/ Outputs:

Number of digital inputs	0
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Short-circuit:

Breaking capacity limit short-circuit current (Icu)		
<ul style="list-style-type: none"> • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value 	kA	100 3 2
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
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	81
Distance, to be maintained, to the ranks assembly		

<ul style="list-style-type: none"> backwards 	mm	0
<ul style="list-style-type: none"> sidewards 	mm	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 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 (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 (18 ... 14) 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)
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	0.5...2.5
	mm ²	0.5...2.5
	mm ²	0.5...2.5
AWG number / as coded connectable conductor cross-section		
<ul style="list-style-type: none"> for main contacts 		18...14
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	0.5...2.5
	mm ²	0.5...2.5
AWG number / as coded connectable conductor cross-section		
<ul style="list-style-type: none"> for auxiliary contact 		18...14

Certificates/approvals:

General Product Approval		
<input checked="" type="checkbox"/> CQC	<input checked="" type="checkbox"/> CSA	ROSTEST
Shipping Approval		
<input checked="" type="checkbox"/> ABS (American Bureau of Shipping)	<input checked="" type="checkbox"/> BV (Bureau Veritas)	<input checked="" type="checkbox"/> DNV (Det Norske Veritas)
Shipping Approval		other
<input checked="" type="checkbox"/> RINA (Registro Italiano Navale)	<input checked="" type="checkbox"/> RMRS (Russian Maritime Register)	Manufacturer other

Safety:

Protection against electrical shock	finger-safe
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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

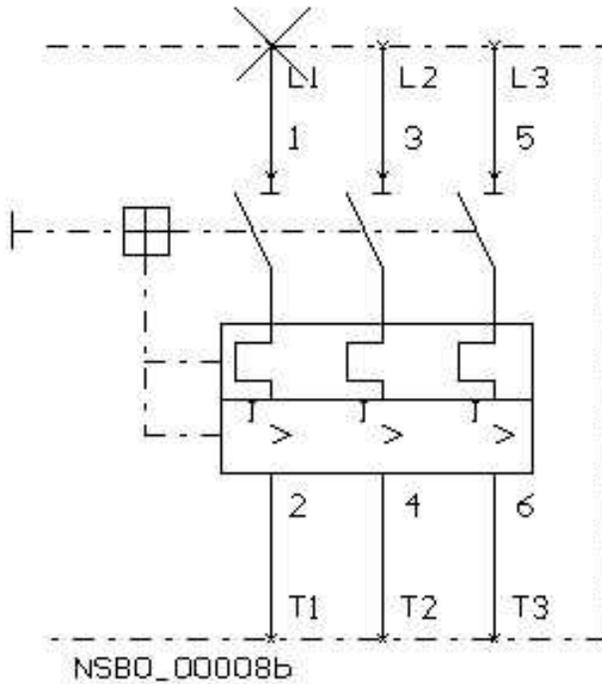
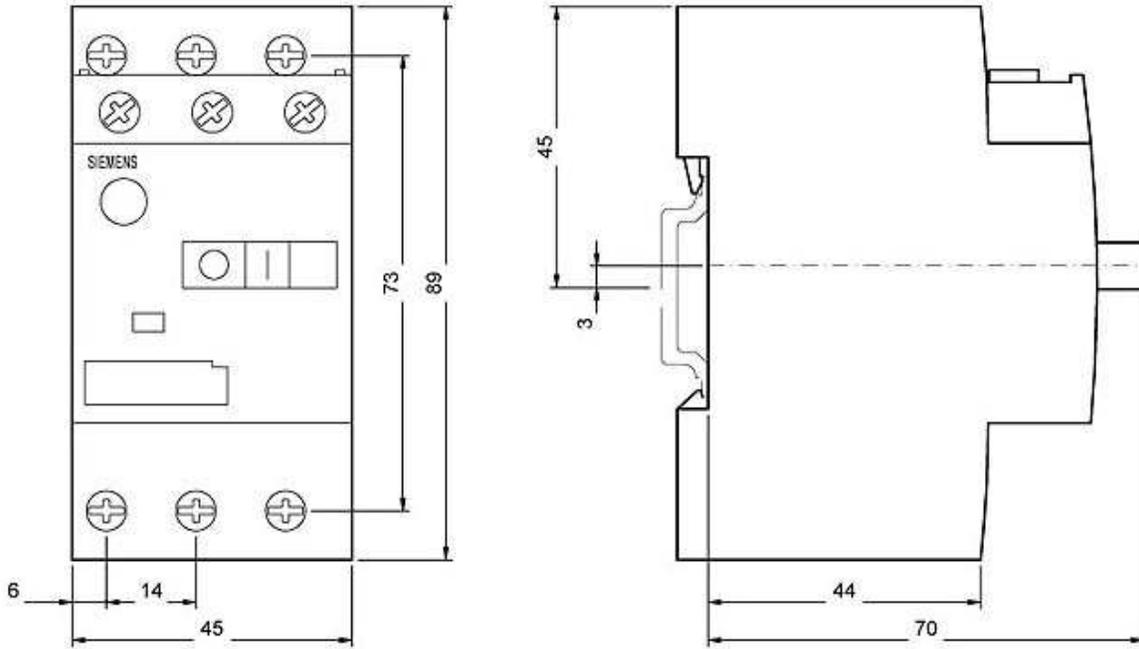
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1011-1DA15/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-1DA15



last change:

Feb 6, 2012