



CIRCUIT-BREAKER, SIZE S00,
FOR MOTOR PROTECTION, CLASS 10,
A REL.0.11...0.16A,
N REL.2.1A 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		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	5
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
• 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/DC
Operating voltage / at AC-3 / rated value / maximum	V	690
Operating current / at AC-3 / at 400 V / rated value	A	0.16
Service power / at AC-3		
• at 400 V / rated value	kW	0.04
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	2.1 ... 2.1
Adjustable response current		
• of the current-dependent overload release	A	0.11 ... 0.16
Continuous current / rated value	A	0.16
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		
• at AC-15		
• at 24 V	A	2
• at 230 V	A	0.5
• at DC-13		

- at 24 V
- at 60 V

A	1
A	0.15

Inputs/ Outputs:

Number of digital inputs

0

Short-circuit:

Breaking capacity limit short-circuit current (I_{cu})

- at 400 V / rated value
- at 500 V / rated value
- at 690 V / rated value

kA	100
kA	100
kA	100

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

- backwards
- sideways

mm	0
mm	0

Product function / removable terminal for auxiliary and control circuit

No

Connections:

Design of the electrical connection

- for main current circuit

screw-type terminals




Type of the connectable conductor cross-section

- for main contacts
 - solid
 - stranded
 - finely stranded
 - with conductor end processing
- for AWG conductors / for main contacts
- for auxiliary contacts
 - 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 • 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 • 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 auxiliary contact 		18 ... 14



Certificates/approvals:

General Product Approval		For use in hazardous locations	Test Certificates
		ROSTEST	
CQC	CSA		UL
		DEKRA EXAM, DMT	Manufacturer

Shipping Approval

					
ABS	BUREAU VERITAS	DNV	GL	LRS	PRS

Shipping Approval

Shipping Approval		other	
		Manufacturer	other
RINA	RMRS		

Safety:

Protection against electrical shock	finger-safe
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Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

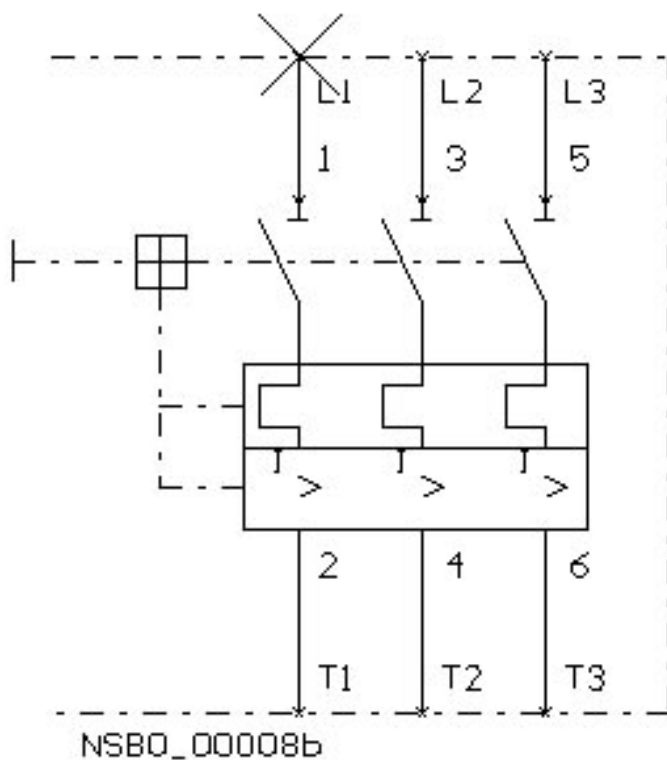
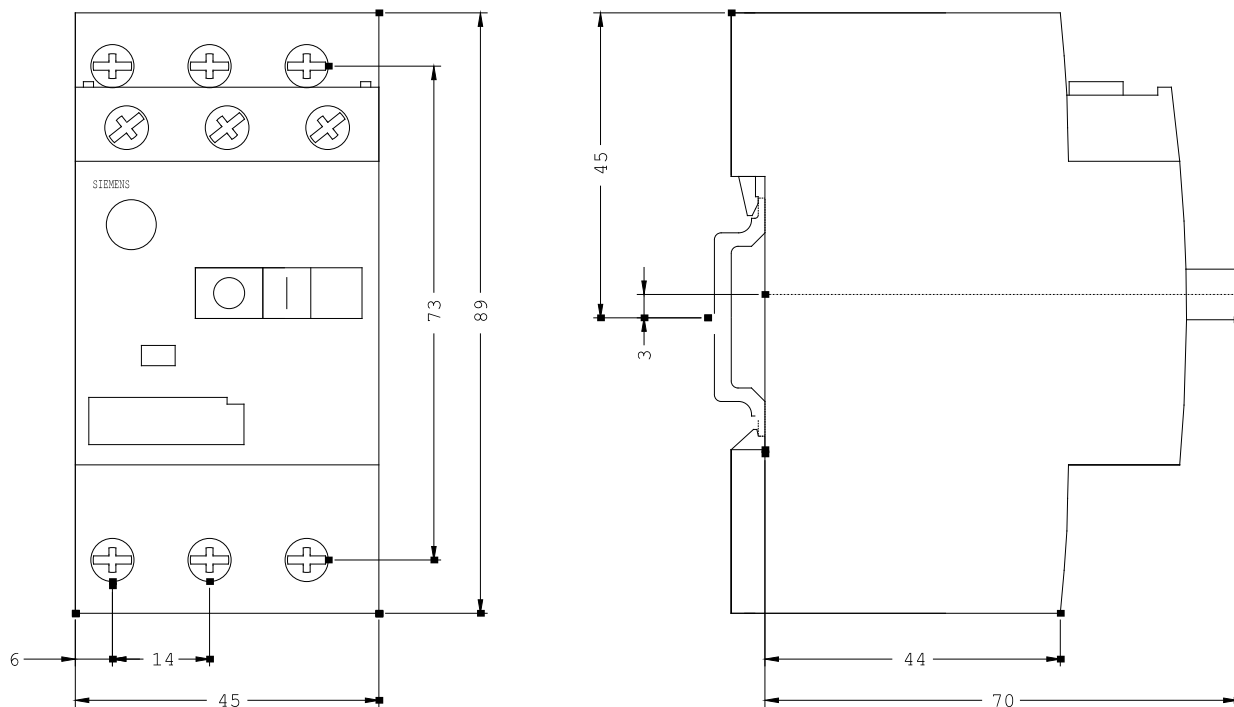
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

CAX-Online-Generator

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



last change:

Dec 24, 2011