SIEMENS

Product data sheet 3RV1011-1CA10



CIRCUIT-BREAKER SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-REL.1.8...2.5A, N-REL. 33A, SCREW TERMINAL, STANDARD SWITCHING CAPACITY

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
Altitude of installation site / at a height over sea level / maximum	m	2,000
Protection class IP / frontal/front side		IP20
Ambient temperature		
during storage	°C	-50 80
during the operating phase	°C	-20 70
during transport	°C	8050
Resistance against shock		25g / 11 ms
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	6
Real loss power / 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 switching cycle as operating period / of the main contacts / typical		100,000
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		No
Undervoltage release mechanism		No
trip indicator		No
Product extension / optional / Motor drive		No
Main circuit:		
Number of poles / for main current circuit		3
Type of voltage		AC/DC
Operating voltage / at 3 AC / rated value / maximum	V	690
Operating current / at AC-3 / at 400 V / rated value	А	2.5
Service power / at AC-3		
• at 400 V / rated value	kW	0.75
Switching frequency / 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	Α	33 33
Adjustable response current		
of the current-dependent overload release	А	1.8 2.5
Continuous current / rated value	А	2.5
Product extension / auxiliary switch		Yes
Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts / instantaneous switching		0
Number of NO contacts / for auxiliary contacts / instantaneous switching		0
Number of change-over switches / for auxiliary contact		0
Inputs/ Outputs:		
Number of digital inputs		0
Short-circuit:		
Breaking capacity limit short-circuit current (lcu)		
• at 400 V / rated value	kA	100

• at 500 V / rated value	kA	10
• at 690 V / rated value	kA	2
Design of the overcurrent release and short-circuit release		thermomagnetic

Installation/mounting/dimensions:		
built in orientation		any
Type of fixing/fixation		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	mm	0
• sidewards	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		
• unifilar		2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• stranded wire		2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• stranded wire		
 with conductor end processing 		2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• at AWG-conductors / for main contacts		2x (18 14)
Conductor cross section that can be connected / for main contacts		
• unifilar	mm²	0.5 2.5
• stranded wire	mm²	0.5 2.5
• stranded wire		
with conductor end processing	mm²	0.5 2.5
AWG number / as coded connectable conductor cross-section		
• for main contacts		18 14

Safety:	
Protection against electrical shock	finger-safe

Further information:

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

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

Global Industry Mall (Online ordering system)

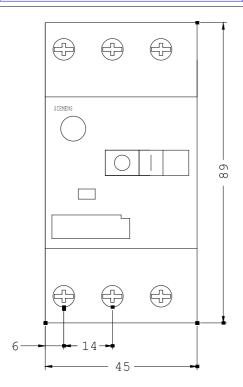
http://www.siemens.com/industrial-controls/mall

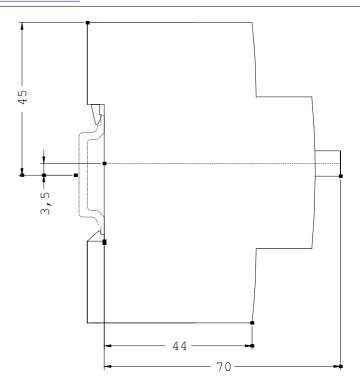
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

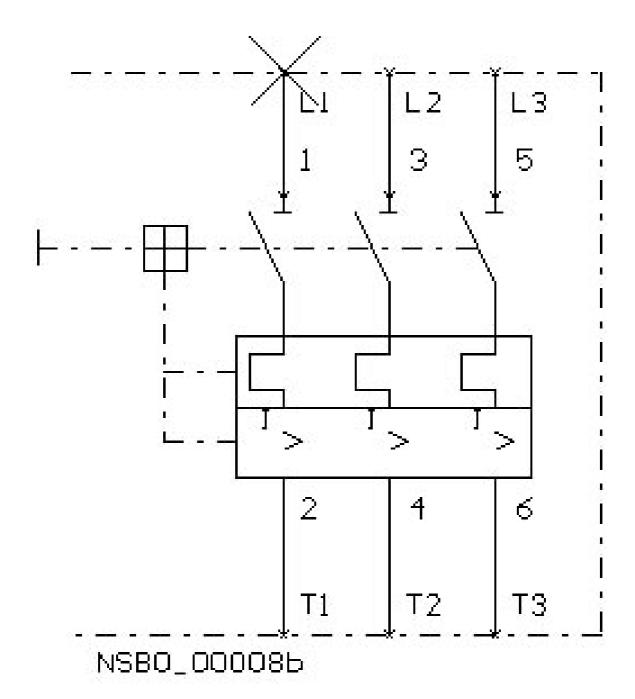
http://support.automation.siemens.com/WW/view/en/3RV1011-1CA10/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-1CA10







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