SIEMENS

Product data sheet

3RV1011-1BA15



CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL. 1.4...2A, N REL. 26A, 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	8050	
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
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	А	2
Service power / at AC-3		
• at 400 V / rated value	kW	0.75
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	А	26 26
Adjustable response current		
of the current-dependent overload release	А	1.4 2
Continuous current / rated value	А	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		
• at AC-15		
• at 24 V	А	2
• at 230 V	А	0.5
• at DC-13		

• at 24 V	А	1
• at 60 V	А	0.15
Inputs/ Outputs:		0
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 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	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		
• solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• stranded		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
finely stranded		
with conductor end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG conductors / for main contacts		2x (18 14)
for auxiliary contacts		
• solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded / with conductor end processing 		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG conductors / for auxiliary contacts 		2x (18 14)

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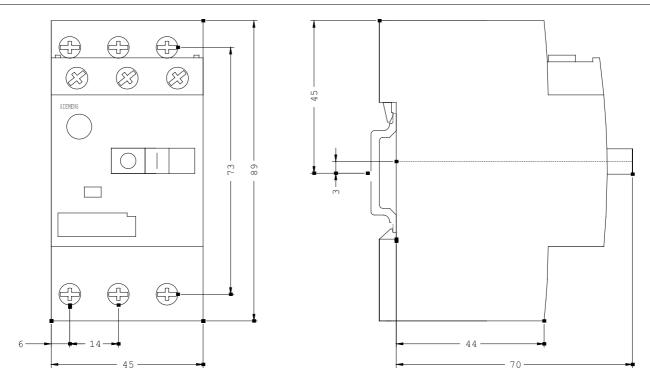
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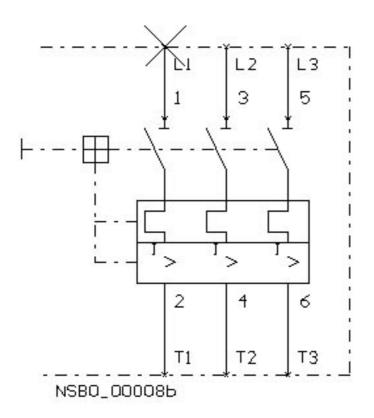
CAx-Online-Generator

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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV1011-1BA15/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-1BA15





last change:

Dec 24, 2011