## SIEMENS

## **Product data sheet**

## 3RV1011-0GA15



CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL.0.45...0.63A, N REL.8.2A 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	5
Item designation		
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		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	0.63	
Service power / at AC-3			
• at 400 V / rated value	kW	0.18	
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> <li>of the non-delayed short-circuit release</li> </ul>	А	8.2 8.2	
Adjustable response current			
• of the current-dependent overload release	А	0.45 0.63	
Continuous current / rated value	А	0.63	
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 (Icu)				
• at 400 V / rated value	kA	100		
• at 500 V / rated value	kA	100		
• at 690 V / rated value	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	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)		
<ul> <li>finely stranded / with conductor end processing</li> </ul>		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>for AWG conductors / for auxiliary contacts</li> </ul>		2x (18 14)		

<ul> <li>solid</li> <li>solid</li> <li>sitanded</li> <li>with conductor end processing</li> <li>with conductor end processing</li> <li>with conductor end processing</li> <li>with conductor end processing</li> <li>Solid</li> <li>Solid</li></ul>			_			
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contact	<ul> <li>for main contacts</li> </ul>			18 14		
• stranded wire       mm <sup>2</sup> 0.525         AVG number / as coded connectable conductor cross-section       1814         • for auxiliary contact       Is14         For use in azardous locations         Centrificates/approval:         For use in fazardous locations         OF USE INTRODUCTOR COLSTINE         For use in fazardous locations         OF USE INTRODUCTOR COLSTINE         OF USE INTRODUCTOR COLSTINE         OF USE INTRODUCTOR COLSPANSION         OF USE INTRODUCTOR COLSPANSION COLSPA	Conductor cross-section that can b contact	e connected / for auxiliary	_			
• with conductor end processing       mm <sup>2</sup> 0.52.5         AWG number / as coded connectable contextable conservers       1814         • for auxiliary contact       1814         For use in hazardous contextors         Contributed Approval         Image: Contributed Approval       Image: Contextor Approval         Image: Contributed Approval       Image: Contextor Approval         Image: Contextor Approval       <	• solid		mm²	0.5 2.5		
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• for auxiliary contact       1814         For use in hazardous locations         © General Product Approval       For use in hazardous locations         © General Product Approval       EFRA EXAM, Durft output out	• with conductor end processing		mm²	0.5 2.5		
Certificates/approvals:         For use in hazardous locations	AWG number / as coded connectab	le conductor cross-section				
General Product Approval       For use in hazardous locations         Image: Solution of the	<ul> <li>for auxiliary contact</li> </ul>			18 14		
Mazardous locations         Image: Construction       Image: Construction         Ima	Certificates/approvals:					
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Manufacturer         Shipping Approval	coc CSA	<u>KETI</u>	<u>ROSTEST</u>			
Shipping Approval	Test Certificates					
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Protection against electrical shock finger-safe Further information:	VERITAS		GL	LKS		
Further information:	Shipping Approval	other		LKS		
	Shipping Approval	other		LKS		
Information- and Downloadcenter (Catalogs, Brochures,)	Shipping Approval	other				
	Shipping Approval	other				

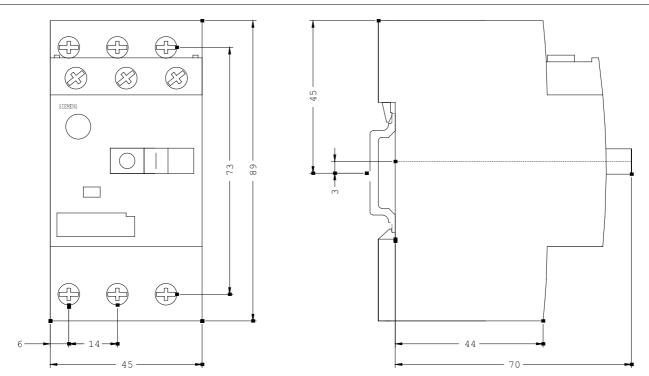
http://www.siemens.com/industrial-controls/mall

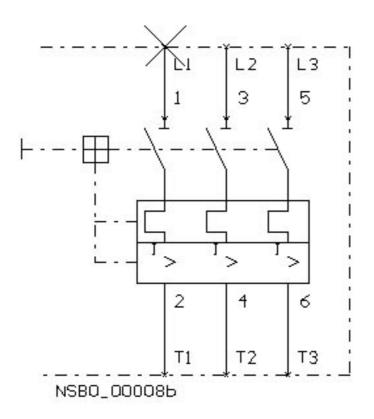
## CAx-Online-Generator

http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV1011-0GA15/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RV1011-0GA15





last change:

Dec 24, 2011