## **SIEMENS**

## Data sheet

## 3RV2711-0JD10



CIRCUIT-BREAKER SZ S00, FOR PLANT PROTECTION, WITH APPROBATION CIRCUIT-BREAKER UL 489. CSA C22.2 NO.5-02. A-RELEASE 1 A, N-RELEASE 13 A, SCREW CONNECTION, STANDARD SW. CAPACITY

	SIRIUS	
	3RV2 circuit breaker	
W	5	
V	690	
	25g / 11 ms	
kV	6	
	100 000	
	100 000	
	100 000	
°C	-20 +60	
	IP20	
	IP20	
	Q	
	3	
	kV	

V

Rated value

690

<ul> <li>at AC-3 Rated value maximum</li> </ul>	V	690			
Operating frequency Rated value	Hz	50 60			
Operating power	-				
• at AC-3					
— at 230 V Rated value	W	180			
— at 400 V Rated value	W	250			
— at 500 V Rated value	W	370			
— at 690 V Rated value	W	550			
Operating frequency	-				
• at AC-3 maximum	1/h	15			
Auxiliary circuit:					
Number of NC contacts	_				
<ul> <li>for auxiliary contacts</li> </ul>		0			
Number of NO contacts	-				
<ul> <li>for auxiliary contacts</li> </ul>		0			
Number of CO contacts	-				
<ul> <li>for auxiliary contacts</li> </ul>		0			
Product expansion Auxiliary switch	-	Yes			
Protective and monitoring functions:	Protective and monitoring functions:				
Design of the overload circuit breaker		thermal			
Operational short-circuit current breaking capacity	-				
(Ics) with AC					
• at 240 V Rated value	kA	100			
• at 400 V Rated value	kA	100			
● at 500 V Rated value	kA	100			
• at 690 V Rated value	kA	100			
Maximum short-circuit current breaking capacity (Icu)					
<ul> <li>with AC at 240 V Rated value</li> </ul>	kA	100			
<ul> <li>with AC at 400 V Rated value</li> </ul>	kA	100			
<ul> <li>with AC at 500 V Rated value</li> </ul>	kA	100			
<ul> <li>with AC at 690 V Rated value</li> </ul>	kA	100			
• at 480 AC Y/277 V acc. to UL 489 Rated value	А	65 000			
Breaking capacity short-circuit current (Icn)					
<ul> <li>with 1 current path for DC at 150 V Rated value</li> </ul>	kA	10			
<ul> <li>with 2 current paths in series for DC at 300 V Rated value</li> </ul>	kA	10			
<ul> <li>with 3 current paths in series for DC at 450 V Rated value</li> </ul>	kA	10			
Response value current of the instantaneous short- circuit release	A	13			
Short-circuit:					

Product function Short circuit protection	Yes
Design of the short-circuit trip	magnetic
Design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 500 V	gL/gG 10 A
• at 690 V	gL/gG 10 A

mounting position		any
Mounting type		screw and snap-on mounting onto 35 mm standard
		mounting rail according to DIN EN 60715
Height	mm	144
Width	mm	45
Depth	mm	97
Required spacing		
<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	0
● for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— at the side	mm	30
— downwards	mm	50
● for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	30
connections/ Terminals:		
Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		screw-type terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function		
<ul> <li>removable terminal for auxiliary and control</li> </ul>		No

• for main contacts

Type of connectable conductor cross-section

circuit

<ul> <li>— single or multi-stranded</li> </ul>		1 10 mm², max. 2x 10 mm²
<ul> <li>finely stranded with core end processing</li> </ul>		1 16 mm², max. 6 + 16 mm²
<ul> <li>for AWG conductors for main contacts</li> </ul>		2x 14
Tightening torque	-	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	N∙m	2.5 3
Design of screwdriver shaft		Diameter 5 to 6 mm
Design of the thread of the connection screw		
• for main contacts		M4
Safety related data:		
B10 value with high demand rate acc. to SN 31920		50 000
Proportion of dangerous failures	-	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	%	40
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	%	40
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	50
T1 value for proof test interval or service life acc. to IEC 61508	У	10
Protection against electrical shock		finger-safe
Mechanical data:		
Size of the circuit-breaker		S00
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
<ul> <li>during operation</li> </ul>	°C	-20 +60
• during storage	°C	-50 +80
<ul> <li>during transport</li> </ul>	°C	-50 +80
Relative humidity during operation	%	10 95
Display:		
Display version		
<ul> <li>for switching status</li> </ul>		Handle
Certificates/ approvals:		

General Product	t Approval			Declaration of Conformity	Test Certificates
	CSA CSA		EHC	EG-Konf.	Special Test Certificate
Test Certificates	Shipping App	proval			
<u>Type Test</u> Certificates/Test <u>Report</u>	ABS	B U R E A U VERITAS	GL	Lloyd's Register LRS	PRS
Shipping Approv	/al	other			
RINA	RMRS	Environmental Confirmations	<u>Confirmation</u>		other

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

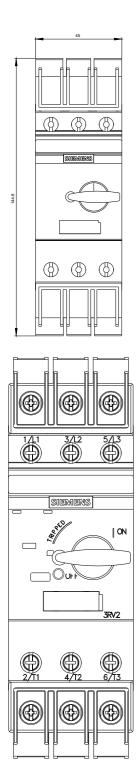
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

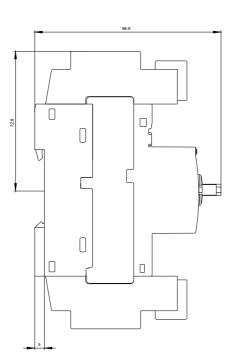
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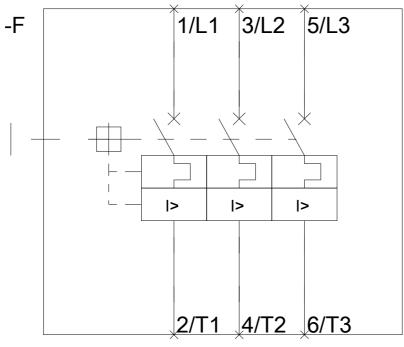
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV27110JD10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV27110JD10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV27110JD10&lang=en







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