## **SIEMENS**

## Data sheet

## 3RV2711-0AD10



CIRCUIT-BREAKER SZ S00, FOR PLANT PROTECTION, WITH APPROBATION CIRCUIT-BREAKER UL 489. CSA C22.2 NO.5-02. A-RELEASE 0.16 A, N-RELEASE 2.1 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		
Main circuit:			
	3		
V	690		
	V		

<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	20
— at 400 V Rated value	W	40
— at 500 V Rated value	W	60
— at 690 V Rated value	W	60
Operating frequency		
• at AC-3 maximum	1/h	15
uxiliary 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:		
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)		
with AC at 240 V Rated value	kA	100
• with AC at 400 V Rated value	kA	100
	10.1	
• with AC at 500 V Rated value	kA	100
with AC at 500 V Rated value	kA kA	100
• with AC at 690 V Rated value	kA	100
<ul> <li>with AC at 690 V Rated value</li> <li>at 480 AC Y/277 V acc. to UL 489 Rated value</li> </ul>		
<ul> <li>with AC at 690 V Rated value</li> <li>at 480 AC Y/277 V acc. to UL 489 Rated value</li> </ul> Breaking capacity short-circuit current (Icn)	kA A	100 65 000
<ul> <li>with AC at 690 V Rated value</li> <li>at 480 AC Y/277 V acc. to UL 489 Rated value</li> </ul>	kA	100
<ul> <li>with AC at 690 V Rated value</li> <li>at 480 AC Y/277 V acc. to UL 489 Rated value</li> <li>Breaking capacity short-circuit current (Icn)</li> <li>with 1 current path for DC at 150 V Rated value</li> </ul>	kA A kA	100 65 000 10
<ul> <li>with AC at 690 V Rated value</li> <li>at 480 AC Y/277 V acc. to UL 489 Rated value</li> <li>Breaking capacity short-circuit current (Icn)</li> <li>with 1 current path for DC at 150 V Rated value</li> <li>with 2 current paths in series for DC at 300 V</li> </ul>	kA A kA	100 65 000 10

Product function Short circuit protection		Yes		
Design of the short-circuit trip		magnetic		
Installation/ mounting/ dimensions:				
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		
<ul> <li>for grounded parts</li> </ul>				
— 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 circuit</li> </ul>	No
Type of connectable conductor cross-section	
<ul> <li>for main contacts</li> </ul>	
— single or multi-stranded	1 10 mm², max. 2x 10 mm²
— finely stranded with core end processing	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 maximum	m	2 000
Ambient temperature	_	
<ul> <li>during operation</li> </ul>	°C	-20 +60
<ul> <li>during storage</li> </ul>	°C	-50 +80
during transport	°C	-50 +80
Relative humidity during operation	%	10 95
Display:		
Display version		
<ul> <li>for switching status</li> </ul>		Handle
Certificates/ approvals:		

Certificates/ approvals:

General Product	Approval			Declaration of Conformity	Test Certificates
CCC	(SA)		EHC	EG-Konf.	Special Test Certificate
Test Certificates	Shipping App	roval			
Type Test Certificates/Test Report	ABS	BUREAU VERITAS	GL	Lloyd's Register Irs	PRS
Shipping Approv	ral	other			
RINA	RMRS	Confirmation	Environmental Confirmations	VDE	other

Further information

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

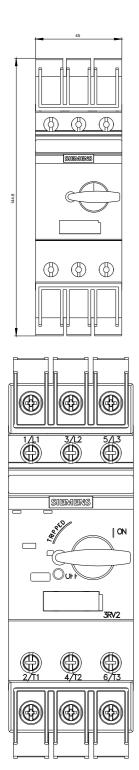
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

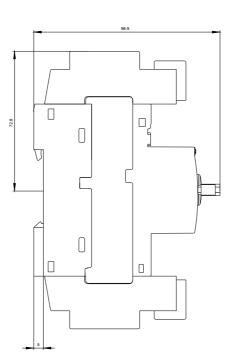
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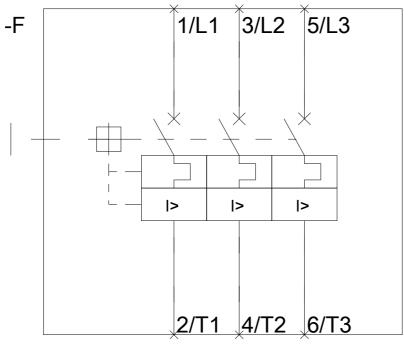
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV27110AD10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV27110AD10/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=3RV27110AD10&lang=en







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