SIEMENS

Product data sheet 3RV2811-1BD10

CIRCUIT-BREAKER SZ S00,
FOR TRANSFORMER PROTECTION WITH
APPROBATION CIRCUIT-BREAKER UL 489. CSA C22.2
NO.5-02. A-RELEASE 2 A,
N-RELEASE 42 A, SCREW CONNECTION,
STANDARD SW. CAPACITY

General technical data:		
product brand name		SIRIUS
Product designation		3RV2 circuit breaker
Size of the circuit-breaker		S00
Number of poles / for main current circuit		3
Product function		
• short circuit protection		Yes
• overload protection		Yes
• phase disturbance recognition		No
• plant protection		No
• motor protection		No
• motor protection with relais overload functionality		No
• starter protection		No
• transformer protection		Yes
• disconnector functionality		Yes
• main control switches with supply disconnect function and EM-STOP switches		No
Design of the operating mechanism		selector switch
Product component		
• auxiliary switch		No
• undervoltage release mechanism		No

• trip indicator		No
Product extension		
• auxiliary switch		Yes
• optional / motor drive		No
Insulation voltage / with degree of pollution 3 / rated value	V	690
Impulse voltage resistance / rated value	kV	6
Protection class IP		
• of the terminal		IP20
• on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Relative humidity		
• during operating phase	%	10 … 95
Ambient temperature		
• during transport	°C	-50 … +80
• during storage	°C	-50 … +80
• during operating	°C	-20 … +60
Shock resistance / according to IEC 60068-2-27		25g / 11 ms
Active power loss / total / typical	W	6

Main circuit:

Operating voltage / rated value	V	690
Voltage type / for main circuit		AC/DC
Operating frequency		
• rated value	Hz	50 … 60

Protective and monitoring functions:

Varification of suitability / ATEX		No
Design of the overload circuit breaker		thermal
Adjustable response current / of the current-dependent overload release	A	2 … 2
Design of the short-circuit trip		magnetic
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	10
Breaking capacity maximum short-circuit current (Icu)		
• at 240 V / for AC / rated value	kA	100
• at 400 V / for AC / rated value	kA	100

• at 500 V / for AC / rated value	kA	100
• at 690 V / for AC / rated value	kA	10
Design of fuse insert / for IT network / for short-circuit protection of the main circuit		
• at 400 V		gL/gG 25 A
• at 500 V		gL/gG 25 A
• at 690 V		gL/gG 20 A
Breaking capacity short-circuit current (Icn)		
• with 1 current path / at 150 V / for DC / rated value	kA	10
• with 2 current paths in series / at 300 V / for DC / rated value	kA	10
• with 3 current paths in series / at 450 V / for DC / rated value	kA	10

Installation/ mounting/ dimensions:

Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
mounting position		any
Depth	mm	97
Height	mm	144
Width	mm	45

Connections/ terminals:

Arrangement of electrical connectors / for main current circuit		Top and bottom
Design of the electrical connection / for main current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid or multi-stranded		1 ... 10 mm², max. 2x 10 mm²
• finely stranded		
• with conductor end processing		1 ... 16 mm², max. 6 + 16 mm²
• for AWG conductors / for main contacts		2x 14

UL/CSA ratings:

Operating voltage / according to UL 60947 / rated value	V	600
Breaking capacity limit short-circuit current (Icu) / at 480 AC Y/277 V / according to UL 489 / rated value	A	65,000

Certificates/ approvals:

General Product Approval			Declaration of Conformity	Test Certificates	
CSA	EAC	UL	EG-Konf.	Special Test Certificate	Type Test Certificates/Test Report
Shipping Approval					
ABS	BUREAU VERITAS	GL	LRS	PRS	RINA
Shipping Approval	**other**				
RMRS	Confirmation	VDE	other	Environmental Confirmations	

Further information:

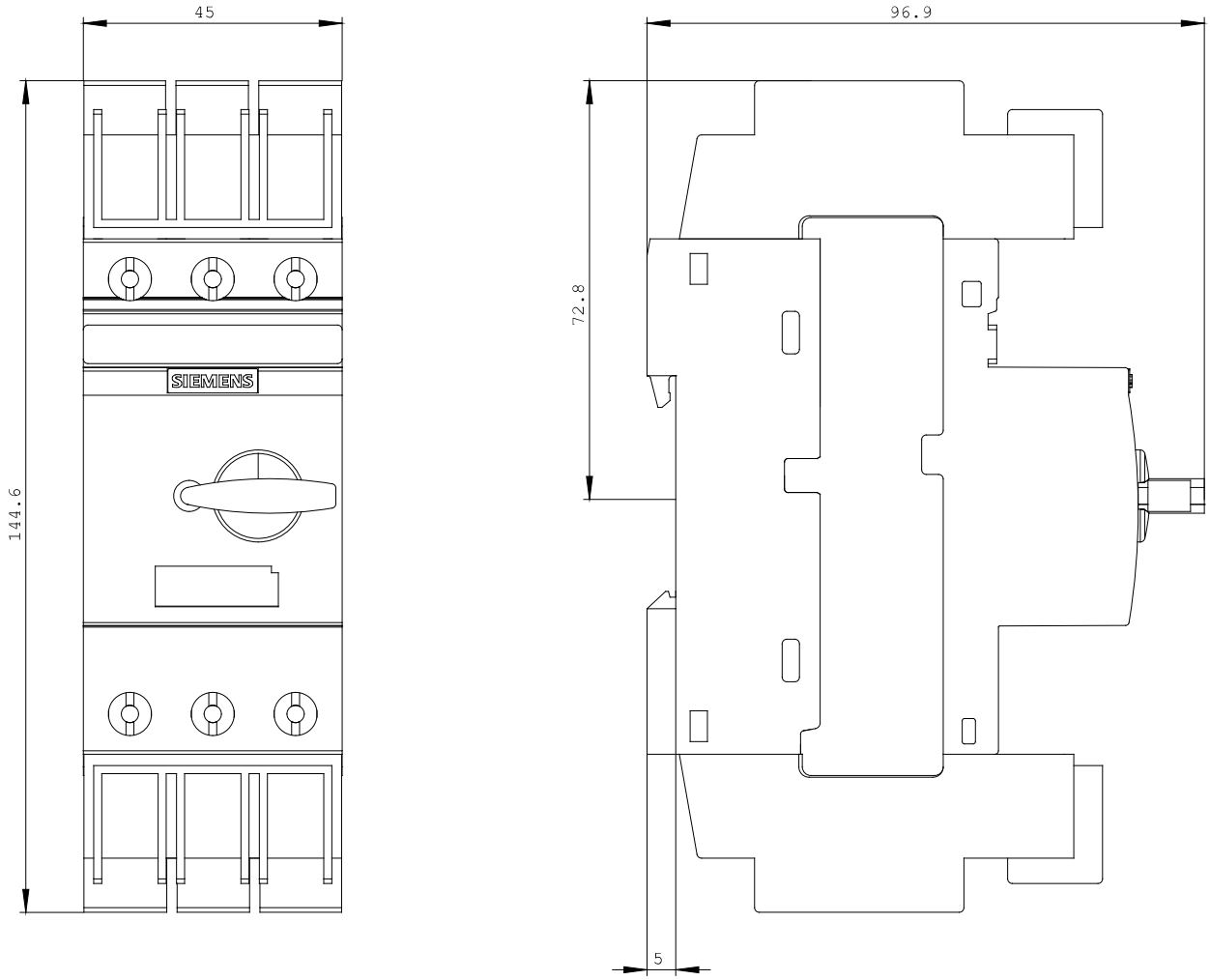
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

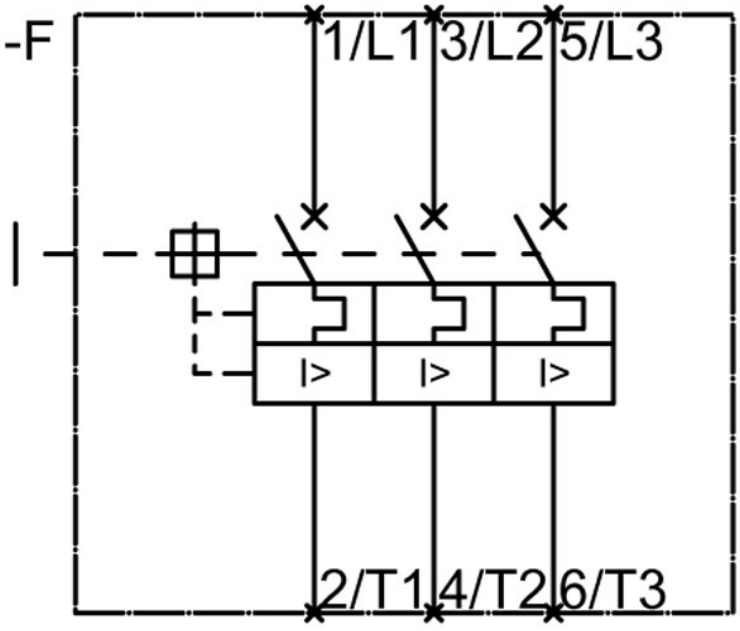
Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RV2811-1BD10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2811-1BD10





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