SIEMENS

Data sheet

3RV2811-4AD10



Circuit breaker size S00 for transformer protection with approval circuit breaker UL 489, CSA C22.2 No.5-02 A-release 15 A N-release 286 A screw terminal Standard switching capacity

product brand name	SIRIUS			
product designation	Circuit breaker			
design of the product	For transformer protection according to UL 489/CSA C22.2 No.5			
product type designation	3RV2			
General technical data				
size of the circuit-breaker	S00			
product extension auxiliary switch	Yes			
power loss [W] for rated value of the current				
 at AC in hot operating state 	9.25 W			
 at AC in hot operating state per pole 	3.1 W			
insulation voltage with degree of pollution 3 at AC rated value	690 V			
surge voltage resistance rated value	6 kV			
shock resistance according to IEC 60068-2-27	25 g / 11 ms (rectangular impulse and sine pulse)			
mechanical service life (operating cycles)				
 of the main contacts typical 	100 000			
 of auxiliary contacts typical 	100 000			
electrical endurance (operating cycles) typical	100 000			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	10/01/2009			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
during operation	-20 +60 °C			
during storage	-50 +80 °C			
during transport	-50 +80 °C			
relative humidity during operation	10 95 %			
Main circuit				
number of poles for main current circuit	3			
operating voltage				
rated value	20 690 V			
 at AC-3 rated value maximum 	690 V			
 at AC-3e rated value maximum 	690 V			
operating frequency rated value	50 60 Hz			
operational current rated value	15 A			
operational current				
• at AC-3 at 400 V rated value	16 A			
• at AC-3e at 400 V rated value	16 A			
operating power				
• at AC-3				
— at 230 V rated value	4 kW			

− at 600 Vinitel value 7.5 KW − at 600 Vinitel value 7.5 KW − at 630 Vinitel value 11 KW − at 630 Vinitel value 7.5 KW − at 630 Vinitel value 5.1 Å − at 630 Vinitel value 5.1 Å − at 630 Vinitel value 6.1 Å • at 64.2 di 600 Vinitel value No • at 64.2 di 600 Vinitel value 6.5 Å • at 64.2 di 600 Vinitel value 6.5 Å • at 64.2 di 600 Vinitel value 6.5 Å • at 64.2 di 600 Vinitel value 6.5 Å • at 64.2 di 600 Vinitel value 6.5 Å • at 64.0 di 600 Vinitel value 6.5 Å • at 64.0 di 600 Vinitel value 6.5 Å • at 64.0 Vinitel value 6.5 Å • at 64.0 Vinitel value 6.5 Å					
	— at 400 V rated value	7.5 kW			
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	— at 690 V rated value	11 kW			
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tor grounded parts at 690 V		30 mm			
	 for grounded parts at 690 V 				

 downwards upwards backwards at the side forwards for live parts at 690 downwards 	0 V		70 mm 70 mm 0 mm 30 mm 0 mm				
— upwards			70 mm				
— backwards			0 mm				
— at the side			30 mm				
— forwards			0 mm				
Connections/ Terminals							
type of electrical conne							
for main current cir arrangement of electric circuit	rcuit al connectors for main c	current	screw-type Top and b	e terminals ottom			
type of connectable con	nductor cross-sections						
for main contacts							
— solid or stran	ded		1 10 mr	n², max. 2x 10 mm²			
- finely strande	ed with core end processin	ig	1 16 mr	m², max. 6 + 16 mm²			
•	for AWG cables for main contacts			2x (14 10)			
tightening torque							
 for main contacts v 	with screw-type terminals		2.5 3 N·m				
design of screwdriver shaft			Diameter 5 to 6 mm				
size of the screwdriver tip			Pozidriv size 2				
design of the thread of	design of the thread of the connection screw						
 for main contacts 			M4				
Safety related data			_				
B10 value							
 with high demand rate according to SN 31920 			5 000				
proportion of dangerous failures							
	with low demand rate according to SN 31920		50 %				
	with high demand rate according to SN 31920		50 %				
failure rate [FIT]							
	ate according to SN 31920		50 FIT				
61508	terval or service life accord	aing to IEC	10 a				
	he front according to IE	C 60529	IP20				
-	e front according to IEC		finger-safe, for vertical contact from the front				
display version for switch	ning status		Handle				
Certificates/ approvals	-						
General Product Appro	oval					Declaration of Con- formity	
	<u>Confirmation</u>	Ű		<u>KC</u>	EHC	UK CA	
Declaration of Con- formity	Test Certificates		Ma	arine / Shipping		other	
CE EG-Konf.	Special Test Certific- ate	Type Test Certi ates/Test Repo		BUREAU VERITAS	Llovd's Register us	<u>Confirmation</u>	
other	Railway						





Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10 Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2811-4AD10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2811-4AD10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV2811-4AD10

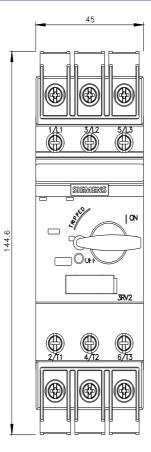
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

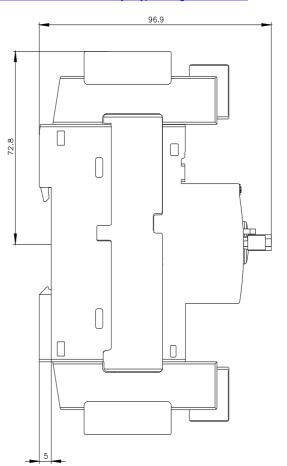
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2811-4AD10&lang=en

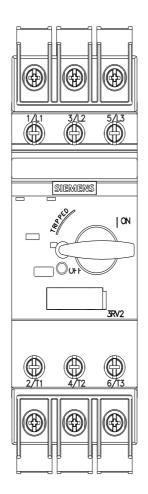
Characteristic: Tripping characteristics, I²t, Let-through current

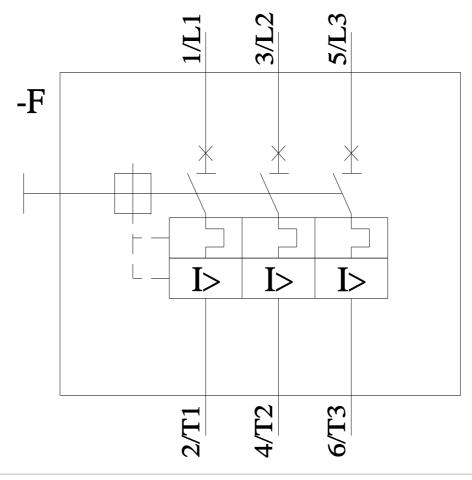
https://support.industry.siemens.com/cs/ww/en/ps/3RV2811-4AD10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2811-4AD10&objecttype=14&gridview=view1









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