SIEMENS

Data sheet 3RV2811-0BD10



Circuit breaker size S00 for transformer protection with approval circuit breaker UL 489, CSA C22.2 No.5-02 A-release 0.2 A N-release 4.2 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 	5.5 W
at AC in hot operating state per pole	1.8 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	0.2 A
operational current	
 at AC-3 at 400 V rated value 	0.2 A
at AC-3e at 400 V rated value	0.2 A
operating power	
• at AC-3	
— at 230 V rated value	0 kW

at 400 V rated value at 500 V rated value at 500 V rated value at 230 V rated value at 230 V rated value at 230 V rated value at 200 V rated value at 500 V rated value at 600 V rated value at				
= at 200 Y rated value	— at 400 V rated value	0.1 kW		
	— at 500 V rated value	0.1 kW		
	— at 690 V rated value	0.1 kW		
at 400 V rated value	• at AC-3e			
	— at 230 V rated value	0 kW		
— at 600 V rated value operating frequency	— at 400 V rated value	0.1 kW		
Section 15.1/h	— at 500 V rated value	0.1 kW		
15 1/h 1	— at 690 V rated value	0.1 kW		
** At AC 3e maximum	operating frequency			
Protect function - ground fault election - phase failure detection - pha	• at AC-3 maximum	15 1/h		
product function • ground fault detection • phase failure detecton No design of the everload release maximum short-circuit current breaking capacity (icu) • at AC at 240 V rated value • at AC at 4500 V rated value • at AC at 5500 V rated value • at AC at 5500 V rated value • at AC at 5500 V rated value • at 400 V rated value • at 400 V rated value • at 600 V rated value • for grounded parts at 500 V • downwards • at 600 V rated value • for grounded parts at 600 V • downwards • at 600 V rated value • for grounded parts at 600 V • downwards • at 600 V rated value • for grounded parts at 600 V • downwards • for grounded parts at 600 V • downwards • for grounded parts at 600 V • downwards • for grounded parts at 600 V • downwards • for grounded parts at 600 V • downwards • for grounded parts at 600 V • downwards • for grounded parts at 600 V • downwards • for grounded part	• at AC-3e maximum	15 1/h		
	Protective and monitoring functions			
• phase failure detection Mo	product function			
design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 800 V rated value • at 480 AC y227 V according to UL 489 rated value • at 480 AC y227 V according to UL 489 rated value • at 480 AC y227 V according to UL 489 rated value • at 480 AC y227 V according to UL 489 rated value • at 480 AC y227 V according to UL 489 rated value • at 480 AC y227 V according to UL 489 rated value • at 580 V rated value	ground fault detection	No		
maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value 100 kA at AC at 550 V rated value 100 kA at AC at 550 V rated value 100 kA at AC at 550 V rated value 100 kA at 4C at 680 V crypt value 100 kA be at 480 AC 7277 V according to UL 489 rated value 65 kA operating short-circuit current breaking capacity (Ice) at AC 100 kA at 4500 V rated value 100 kA at 4500 V rated value 100 kA at 4500 V rated value 100 kA at 500 V rated value 100 kA value current of instantaneous short-circuit trip unit 2.2 A Short-circuit protection Yes design of the short-circuit trip magnetic Installation function short circuit protection Yes design of the short-circuit trip screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm 45 mm	phase failure detection	No		
	design of the overload release	thermal		
		100 kA		
■ at AC at 690 V rated value ■ at 480 AC Y277 V according to UL 489 rated value ○ at 240 V rated value ■ at 240 V rated value ■ at 400 V rated value ■ at 400 V rated value ■ at 690 V rated value product function short circuit protection		100 kA		
e at 480 AC Y/277 V according to UL 489 rated value				
operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 kA 100 kA 100 kV at 500 V rated value 100 kA 10		65 kA		
at 240 V rated value at 400 V rated value 100 kA 100 kA 100 kA 100 V rated value 100 kA 100				
		100 kA		
at 500 V rated value at 690 V rated value 100 kA at 690 V rated value 100 kA Short-circuit protection product function short circuit protection ### Agents of the short-circuit trip magnetic				
* at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 45 mm depth width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — at the side • for grounded parts at 680 V — downwards — backwards — backwards — o mm Jon mm Jo				
response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit trip				
Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic Installation mounting dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 445 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — upwards				
product function short circuit protection design of the short-circuit trip Installation/ mounting/dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V - downwards - upwards - at the side 30 mm • for live parts at 400 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - upwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 30 mm • for grounded parts at 500 V - downwards - at the side 50 mm • for grounded parts at 690 V - downwards - at the side 50 mm		1.2.71		
design of the short-circuit trip magnetic Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards 30 mm — at the side 30 mm • for live parts at 400 V — downwards 30 mm • at the side 30 mm • for grounded parts at 500 V — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V — downwards 30 mm • for grounded parts at 500 V — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V — downwards 30 mm • for grounded parts at 500 V — downwards 30 mm — at the side 30 mm • for grounded parts at 600 V — downwards 30 mm — at the side 30 mm • for grounded parts at 690 V — downwards 70 mm — backwards 70 mm — backwards 0 mm — at the side 30 mm		Yes		
mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — upwards — backwards — upwards — backwards — upwards — o mm — at the side • for mm — backwards — upwards — o mm — at the side — o mm —	<u> </u>			
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height didth 45 mm depth 97 mm required spacing • for grounded parts at 400 V - downwards - upwards - at the side • for live parts at 400 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - at the side • for grounded parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - upwards - o mm - backwards - at the side - o mm - o	accigii ci iiic ciicii ciicaii iiip	magnetic		
fastening method height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for prounded parts at 500 V — downwards — at the side • for prounded parts at 500 V — downwards — at the side • for prounded parts at 500 V — downwards — at the side • for prounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards				
Neight 144 mm Width 45 mm 45 mm 97 mm Prequired spacing	Installation/ mounting/ dimensions	any		
width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — upwards — at the side • for for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for for live parts at 500 V — downwards — upwards — upwards — at the side • 30 mm • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — upwards — other wards — upwards — upwards — other wards — upwards — upwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards	Installation/ mounting/ dimensions mounting position			
depth 97 mm required spacing • for grounded parts at 400 V	Installation/ mounting/ dimensions mounting position fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
required spacing	Installation/ mounting/ dimensions mounting position fastening method height	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm		
 for grounded parts at 400 V — downwards — upwards — at the side 30 mm It experts at 400 V — downwards — upwards — upwards — at the side 30 mm — at the side 30 mm It experts at 500 V — downwards — upwards — upwards — upwards — at the side 30 mm It experts at 500 V — downwards — at the side It experts at 500 V — downwards — at the side It experts at 600 V — downwards — or grounded parts at 690 V — downwards — upwards — upwards	Installation/ mounting/ dimensions mounting position fastening method height width	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm		
— downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 400 V — — downwards 30 mm — upwards 30 mm • for grounded parts at 500 V — — downwards 30 mm — upwards 30 mm • for live parts at 500 V — — downwards 30 mm — upwards 30 mm — at the side 30 mm • for grounded parts at 690 V — — downwards 70 mm — upwards 70 mm — upwards 70 mm — backwards 0 mm — at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm		
upwards 30 mm at the side 30 mm • for live parts at 400 V downwards 30 mm upwards 30 mm upwards 30 mm at the side 30 mm • for grounded parts at 500 V downwards 30 mm upwards 30 mm at the side 30 mm at the side 30 mm • for live parts at 500 V downwards 30 mm at the side 30 mm downwards 70 mm upwards 70 mm upwards 70 mm upwards 70 mm upwards 70 mm backwards 0 mm at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm		
at the side 30 mm • for live parts at 400 V downwards 30 mm upwards 30 mm at the side 30 mm • for grounded parts at 500 V downwards 30 mm upwards 30 mm upwards 30 mm at the side 30 mm at the side 30 mm • for live parts at 500 V downwards 30 mm • for live parts at 500 V downwards 30 mm at the side 30 mm at the side 30 mm at the side 30 mm • for grounded parts at 690 V downwards 70 mm upwards 70 mm upwards 70 mm backwards 0 mm at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm		
• for live parts at 400 V — downwards — upwards — at the side 30 mm • for grounded parts at 500 V — downwards — upwards — at the side 30 mm • for live parts at 500 V — downwards — of live parts at 500 V — downwards — upwards — at the side 30 mm • for live parts at 500 V — downwards — upwards — at the side 30 mm • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — of mm — upwards — upwards — upwards — of mm — o	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm		
— downwards 30 mm — upwards 30 mm — at the side 30 mm • for grounded parts at 500 V 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 500 V 30 mm — downwards 30 mm — at the side 30 mm • for grounded parts at 690 V 70 mm — downwards 70 mm — upwards 70 mm — backwards 0 mm — at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm		
— upwards 30 mm — at the side 30 mm • for grounded parts at 500 V 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 500 V 30 mm — downwards 30 mm — upwards 30 mm — at the side 30 mm • for grounded parts at 690 V 70 mm — downwards 70 mm — upwards 70 mm — backwards 0 mm — at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm		
 at the side for grounded parts at 500 V downwards upwards at the side for live parts at 500 V downwards upwards upwards upwards upwards at the side for grounded parts at 690 V downwards packwards upwards of mm backwards at the side omm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm		
 for grounded parts at 500 V — downwards — upwards — at the side for live parts at 500 V — downwards — upwards — at the side 30 mm — upwards — at the side for grounded parts at 690 V — downwards — upwards — of mm — upwards <li< td=""><td>Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards</td><td>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm</td></li<>	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm		
— downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 500 V 30 mm — downwards 30 mm — upwards 30 mm • for grounded parts at 690 V 70 mm — upwards 70 mm — backwards 0 mm — at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — upwards — upwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm		
 — upwards — at the side — at the side • for live parts at 500 V — downwards — upwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — at the side — backwards — at the side — at the side — 30 mm — 30 mmm — 30 mm — 30 mm — 30 mm — 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • at the side • for live parts at 400 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm		
- at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side 30 mm 70 mm 0 mm - upwards - backwards - at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 400 V — downwards — upwards — upwards — upwards — upwards — if the side • for grounded parts at 500 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
 for live parts at 500 V downwards upwards at the side for grounded parts at 690 V downwards upwards for mm upwards upwards backwards at the side 30 mm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
— downwards 30 mm — upwards 30 mm — at the side 30 mm • for grounded parts at 690 V 70 mm — downwards 70 mm — upwards 70 mm — backwards 0 mm — at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
 — upwards — at the side 30 mm • for grounded parts at 690 V — downwards — upwards — backwards — at the side 30 mm 70 mm 0 mm 30 mm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
 — at the side ● for grounded parts at 690 V — downwards — upwards — backwards — at the side 30 mm 70 mm 0 mm 30 mm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm		
 for grounded parts at 690 V — downwards — upwards — backwards — at the side 70 mm 0 mm 30 mm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
 downwards upwards backwards at the side 70 mm 0 mm 30 mm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
 upwards backwards at the side 70 mm 0 mm 30 mm 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm		
— backwards 0 mm — at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 690 V	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm		
— at the side 30 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 690 V — downwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 70 mm		
	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 70 mm		
— IOIWATUS	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at backwards	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 70 mm 70 mm 70 mm 70 mm 0 mm		
	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — at the side	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 70 mm		

• for live parts at 690 V			
— downwards	70 mm		
— upwards	70 mm		
— backwards	0 mm		
— at the side	30 mm		
— forwards	0 mm		
Connections/ Terminals			
type of electrical connection			
for main current circuit	screw-type terminals		
arrangement of electrical connectors for main current circuit	Top and bottom		
type of connectable conductor cross-sections			
• for main contacts			
 — solid or stranded 	1 10 mm², max. 2x 10 mm²		
 finely stranded with core end processing 	1 16 mm², max. 6 + 16 mm²		
 for AWG cables for main contacts 	2x (14 10)		
tightening torque			
 for main contacts 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 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]			
with low demand rate according to SN 31920	50 FIT		
T1 value for proof test interval or service life according to IEC 61508	10 a		
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
display version for switching status	Handle		
Certificates/ approvals			
General Product Approval		Declaration of Conformity	

Confirmation



<u>KC</u>





Declaration of Conformity

Test Certificates

Marine / Shipping

other

UK CA Type Test Certificates/Test Report

Special Test Certificate





Confirmation

other

Railway



Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-busine

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=3RV2811-0BD10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2811-0BD10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2811-0BD10

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

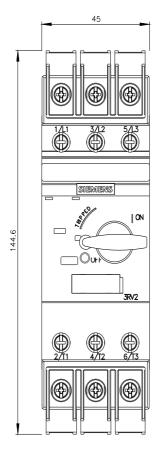
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2811-0BD10&lang=en

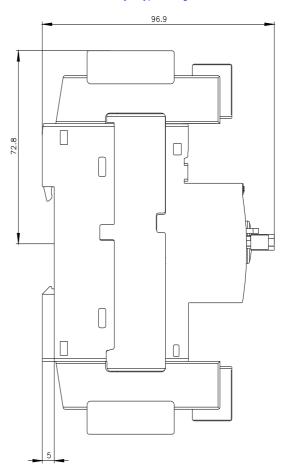
Characteristic: Tripping characteristics, I2t, Let-through current

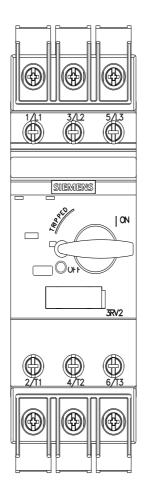
https://support.industry.siemens.com/cs/ww/en/ps/3RV2811-0BD10/char

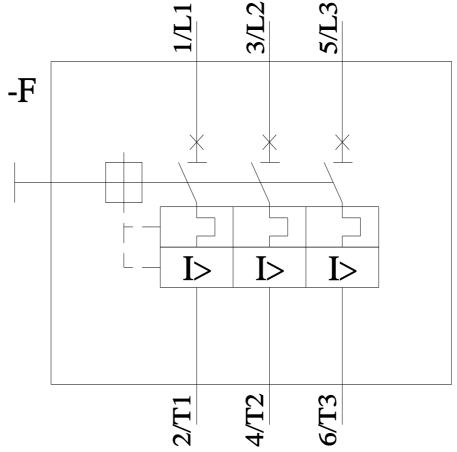
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2811-0BD10&objecttype=14&gridview=view1









last modified: 5/1/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RV28110BD10