



CIRCUIT-BREAKER SZ S0, FOR STARTER COMBINATION, RATED CURRENT 2 A, N-REL. 26A SCREW CONNECTION, STANDARD SW. CAPACITY

Figure similar

product brand name		SIRIUS
Product designation		3RV2 circuit breaker

General technical data:		
<b>Active power loss total typical</b>	W	6
<b>Insulation voltage</b>		
• with degree of pollution 3 Rated value	V	690
<b>Shock resistance</b>		
• acc. to IEC 60068-2-27		25g / 11 ms
<b>Surge voltage resistance Rated value</b>	kV	6
<b>Mechanical service life (switching cycles)</b>		
• of the main contacts typical		100 000
• of the auxiliary contacts typical		100 000
<b>Electrical endurance (switching cycles)</b>		
• typical		100 000
<b>Size of contactor can be combined company-specific</b>		S0
<b>Protection class IP</b>		
• on the front		IP20
• of the terminal		IP20
<b>Equipment marking</b>		
• acc. to DIN EN 81346-2		Q

Main circuit:		
<b>Number of poles for main current circuit</b>		3
<b>Operating voltage</b>		
• Rated value	V	690

• at AC-3 Rated value maximum	V	690
Operating frequency Rated value	Hz	50 ... 60
<b>Operating current Rated value</b>	A	2
<b>Operating current</b>		
• at AC-3		
— at 400 V Rated value	A	2
<b>Operating power</b>		
• at AC-3		
— at 230 V Rated value	W	370
— at 400 V Rated value	W	750
— at 500 V Rated value	W	750
— at 690 V Rated value	W	1 100
<b>Operating frequency</b>		
• at AC-3 maximum	1/h	15

#### Auxiliary circuit:

<b>Number of NC contacts</b>		
• for auxiliary contacts		0
<b>Number of NO contacts</b>		
• for auxiliary contacts		0
<b>Number of CO contacts</b>		
• for auxiliary contacts		0
<b>Product expansion Auxiliary switch</b>		Yes

#### Protective and monitoring functions:

<b>Operational short-circuit current breaking capacity (Ics) with AC</b>		
• 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
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• with AC at 240 V Rated value	kA	100
• with AC at 400 V Rated value	kA	100
• with AC at 500 V Rated value	kA	100
• with AC at 690 V Rated value	kA	10
<b>Breaking capacity short-circuit current (Icn)</b>		
• with 1 current path for DC at 150 V Rated value	kA	10
• with 2 current paths in series for DC at 300 V Rated value	kA	10
• with 3 current paths in series for DC at 450 V Rated value	kA	10
<b>Response value current of the instantaneous short-circuit release</b>	A	26

### UL/CSA ratings:

<b>Full-load current (FLA) for three-phase AC motor</b>		
• at 480 V Rated value	A	2
• at 600 V Rated value	A	2
<b>yielded mechanical performance [hp]</b>		
• for single-phase AC motor at 230 V Rated value	metric hp	0.125
• for three-phase AC motor at 460/480 V Rated value	metric hp	0.75
• for three-phase AC motor at 575/600 V Rated value	metric hp	1

### Short-circuit:

<b>Product function Short circuit protection</b>		Yes
<b>Design of the short-circuit trip</b>		magnetic

### Installation/ mounting/ dimensions:

<b>mounting position</b>		any
<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
<b>Height</b>	mm	97
<b>Width</b>	mm	45
<b>Depth</b>	mm	96
<b>Required spacing</b>		
• with side-by-side mounting		
— 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:

<b>Type of electrical connection</b> • for main current circuit		screw-type terminals
<b>Arrangement of electrical connectors for main current circuit</b>		Top and bottom
<b>Product function</b> • removable terminal for auxiliary and control circuit		No
<b>Type of connectable conductor cross-section</b> • for main contacts — single or multi-stranded — finely stranded with core end processing • for AWG conductors for main contacts		2x (1 ... 2,5 mm <sup>2</sup> ), 2x (2,5 ... 10 mm <sup>2</sup> ) 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 ... 12), 2x (14 ... 8)
<b>Tightening torque</b> • for main contacts with screw-type terminals	N·m	2 ... 2.5
<b>Design of screwdriver shaft</b>		Diameter 5 to 6 mm
<b>Design of the thread of the connection screw</b> • for main contacts		M4

#### Safety related data:

<b>B10 value with high demand rate acc. to SN 31920</b>		50 000
<b>Proportion of dangerous failures</b> • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	% %	40 40
<b>Failure rate [FIT] with low demand rate acc. to SN 31920</b>	FIT	50
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	y	10
<b>Protection against electrical shock</b>		finger-safe

#### Mechanical data:

<b>Size of the circuit-breaker</b>		S0
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#### Ambient conditions:

<b>Installation altitude at height above sea level maximum</b>	m	2 000
<b>Ambient temperature</b> • during operation • during storage • during transport	°C °C °C	-20 ... +60 -50 ... +80 -50 ... +80
<b>Relative humidity during operation</b>	%	10 ... 95

#### Display:

<b>Display version</b> • for switching status		Handle
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#### Certificates/ approvals:

General Product Approval	Declaration of Conformity	Test Certificates
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[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

Test Certificates	Shipping Approval
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[Declaration of the Compliance with the order](#)



Shipping Approval	other
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[Environmental Confirmations](#)

[Confirmation](#)



other
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[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>

### Cax online generator

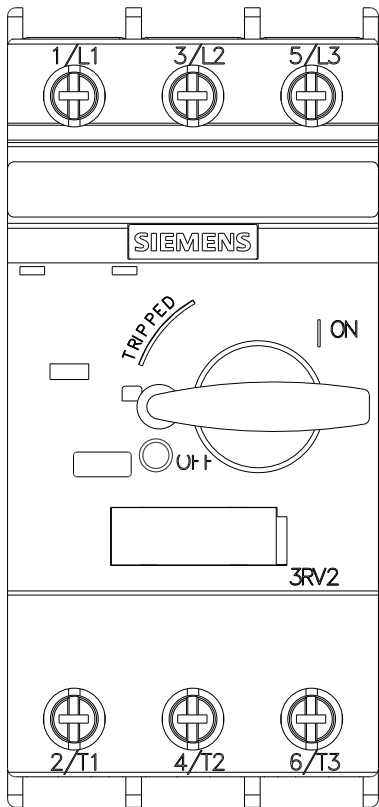
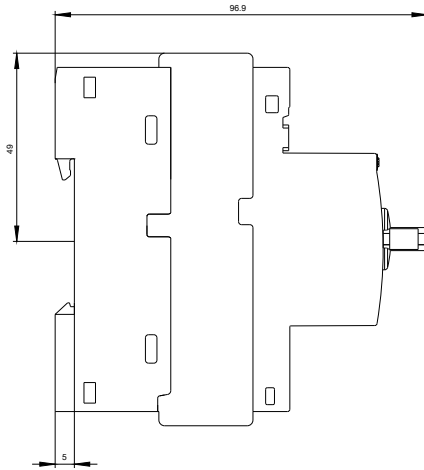
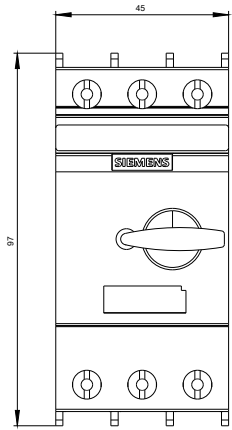
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RV23211BC10>

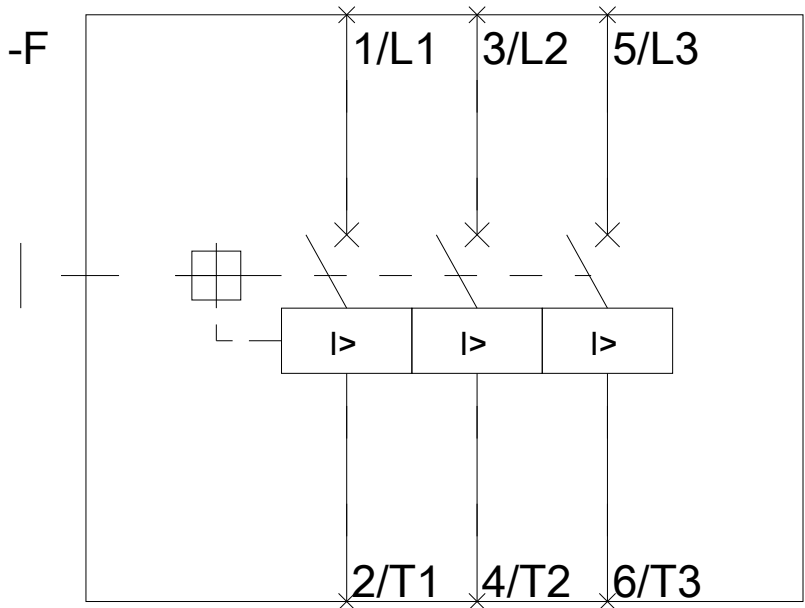
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV23211BC10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RV23211BC10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RV23211BC10&lang=en)





last modified:

11.03.2015