



CIRCUIT BREAKER, SIZE S2, FOR STARTER COMBINATION, RATED CURRENT 45A, N-RELEASE 650A, SCREW TERMINAL, STANDARD BREAKING CAPACITY

Figure similar

product brand name		SIRIUS
Product designation		3RV2 circuit breaker

General technical data:		
Active power loss total typical	W	17
Insulation voltage		
• with degree of pollution 3 Rated value	V	690
Shock resistance		
• acc. to IEC 60068-2-27		25g / 11 ms Sinus
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
• of the main contacts typical		50 000
• of the auxiliary contacts typical		50 000
Electrical endurance (switching cycles)		
• typical		50 000
Size of contactor can be combined company-specific		S2
Protection class IP		
• on the front		IP20
• of the terminal		IP00
Equipment marking		
• acc. to DIN EN 81346-2		Q

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

<ul style="list-style-type: none"> • at AC-3 Rated value maximum 	V	690
Operating frequency Rated value	Hz	50 ... 60
Operating current Rated value	A	45
Operating current		
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V Rated value 	A	45
Operating power		
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 230 V Rated value — at 400 V Rated value — at 500 V Rated value — at 690 V Rated value 	W	11 000
	W	22 000
	W	30 000
	W	37 000
Operating frequency		
<ul style="list-style-type: none"> • at AC-3 maximum 	1/h	15

Auxiliary circuit:

Product expansion Auxiliary switch	Yes
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Protective and monitoring functions:

Operational short-circuit current breaking capacity (Ics) with AC		
<ul style="list-style-type: none"> • at 240 V Rated value • at 400 V Rated value • at 500 V Rated value • at 690 V Rated value 	A	100
	kA	30
	kA	5
	kA	2
Maximum short-circuit current breaking capacity (Icu)		
<ul style="list-style-type: none"> • with AC at 240 V Rated value • with AC at 400 V Rated value • with AC at 500 V Rated value • with AC at 690 V Rated value 	kA	100
	kA	65
	kA	10
	kA	4
Response value current of the instantaneous short-circuit release	A	650

UL/CSA ratings:

Full-load current (FLA) for three-phase AC motor		
<ul style="list-style-type: none"> • at 480 V Rated value • at 600 V Rated value 	A	45
	A	45
yielded mechanical performance [hp]		
<ul style="list-style-type: none"> • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value 	metric hp	3
	metric hp	10
	metric hp	15

Connections/ Terminals:		
Type of electrical connection • for main current circuit		screw-type terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function • removable terminal for auxiliary and control circuit		No
Type of connectable conductor cross-section • for main contacts — single or multi-stranded — finely stranded with core end processing • for AWG conductors for main contacts		2x (1 ... 25 mm ²), 1x (1 ... 35 mm ²) 2x (1 ... 16 mm ²), 1x (1 ... 25 mm ²) 2x (18 ... 3), 1x (18 ... 2)
Tightening torque • for main contacts with screw-type terminals	N·m	3 ... 4.5
Design of screwdriver shaft		Diameter 5 to 6 mm
Design of the thread of the connection screw • for main contacts		M6
Safety related data:		
Protection against electrical shock		finger-safe when touched vertically from front acc. to IEC 60529
Mechanical data:		
Size of the circuit-breaker		S2
Ambient conditions:		
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature • during operation • during storage • during transport	°C °C °C	-20 ... +60 -50 ... +80 -50 ... +80
Relative humidity during operation	%	10 ... 95
Display:		
Display version • for switching status		Handle
Certificates/ approvals:		



CSA



UL

[Confirmation](#)[Environmental
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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

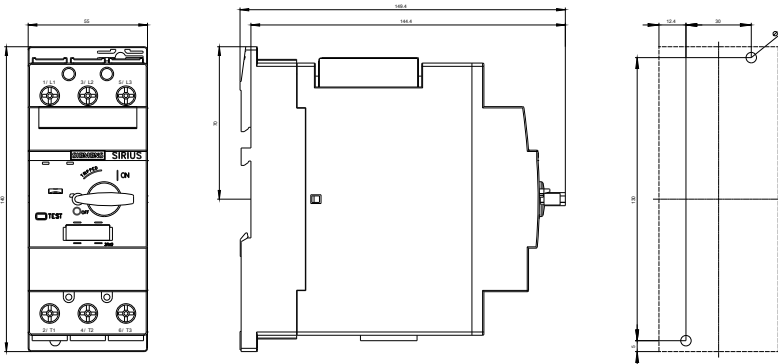
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RV23314VC10>

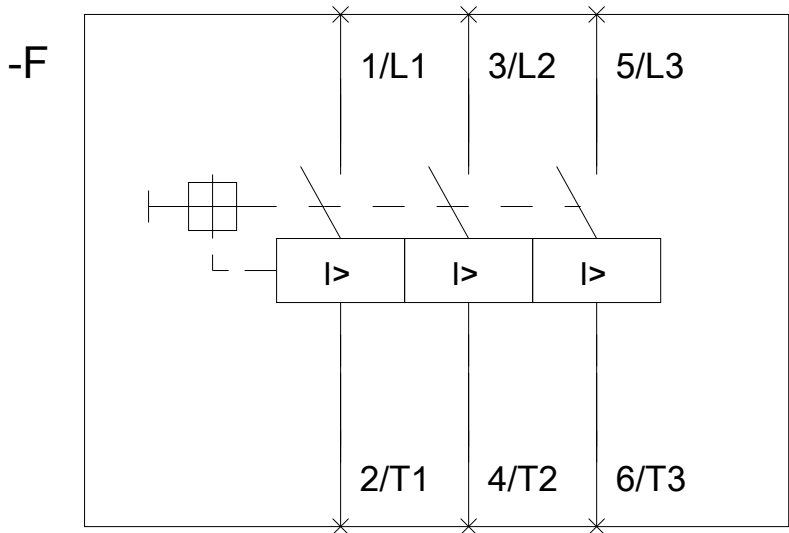
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV23314VC10/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=3RV23314VC10&lang=en





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