



Figure similar

product brand name	SIRIUS
Product designation	3RV2 circuit breaker
General technical data:	
Active power loss total typical	15 W
Insulation voltage	
• with degree of pollution 3 Rated value	690 V
Surge voltage resistance Rated value	6 kV
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
Temperature compensation	-20 ... +60 °C
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
Adjustable response value current of the current-dependent overload release	32 ... 40 A
Operating voltage	
• Rated value	690 V

• at AC-3 Rated value maximum	690 V
<b>Operating frequency Rated value</b>	50 ... 60 Hz
<b>Operating current Rated value</b>	40 A
<b>Operating current</b>	
• at AC-3	
— at 400 V Rated value	40 A
<b>Operating frequency</b>	
• at AC-3 maximum	15 1/h
<b>Auxiliary circuit:</b>	
<b>Product expansion Auxiliary switch</b>	Yes
<b>Protective and monitoring functions:</b>	
<b>Trip class</b>	CLASS 10
<b>Design of the overload circuit breaker</b>	thermal
<b>Operational short-circuit current breaking capacity (Ics) with AC</b>	
• at 240 V Rated value	100 A
• at 400 V Rated value	30 kA
• at 500 V Rated value	5 kA
• at 690 V Rated value	2 kA
<b>Maximum short-circuit current breaking capacity (Icu)</b>	
• with AC at 240 V Rated value	100 kA
• with AC at 400 V Rated value	65 kA
• with AC at 500 V Rated value	10 kA
• with AC at 690 V Rated value	4 kA
<b>Response value current of the instantaneous short-circuit release</b>	585 A
<b>UL/CSA ratings:</b>	
<b>Full-load current (FLA) for three-phase AC motor</b>	
• at 480 V Rated value	40 A
• at 600 V Rated value	40 A
<b>Short-circuit:</b>	
<b>Design of the short-circuit trip</b>	magnetic
<b>Design of the fuse link for IT network for short-circuit protection of the main circuit</b>	
• at 240 V	none required
• at 400 V	125
• at 500 V	100
• at 690 V	80
<b>Installation/ mounting/ dimensions:</b>	
<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>	140 mm
<b>Width</b>	55 mm
<b>Depth</b>	149 mm
<b>Required spacing</b>	
• with side-by-side mounting	
— forwards	0 mm
— Backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	50 mm
— at the side	10 mm
— downwards	50 mm
• for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	10 mm

<b>Connections/ Terminals:</b>	
<b>Product function</b>	
• removable terminal for auxiliary and control circuit	No
<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>Type of connectable conductor cross-section</b>	
• for main contacts	
— single or multi-stranded	2x (1 ... 25 mm <sup>2</sup> ), 1x (1 ... 35 mm <sup>2</sup> )
— finely stranded with core end processing	2x (1 ... 16 mm <sup>2</sup> ), 1x (1 ... 25 mm <sup>2</sup> )
• for AWG conductors for main contacts	2x (18 ... 3), 1x (18 ... 2)
<b>Design of screwdriver shaft</b>	Diameter 5 to 6 mm
<b>Design of the thread of the connection screw</b>	
• for main contacts	M6

<b>Safety related data:</b>	
<b>Protection against electrical shock</b>	finger-safe when touched vertically from front acc. to IEC 60529

**Mechanical data:**

<b>Size of the circuit-breaker</b>	S2
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**Ambient conditions:**

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

**Display:****Display version**

• for switching status	Handle
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**Certificates/ approvals:**

General Product Approval	other
 CSA	<a href="#">Confirmation</a>
 UL	<a href="#">Environmental Confirmations</a>

**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**

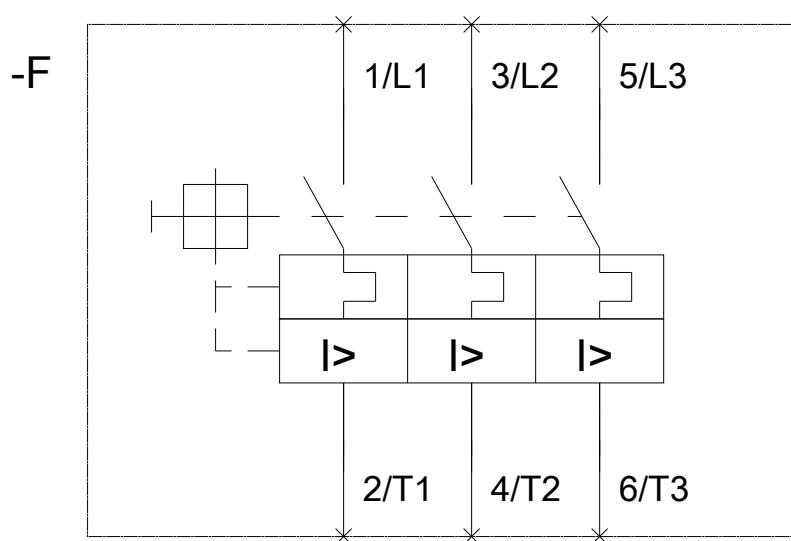
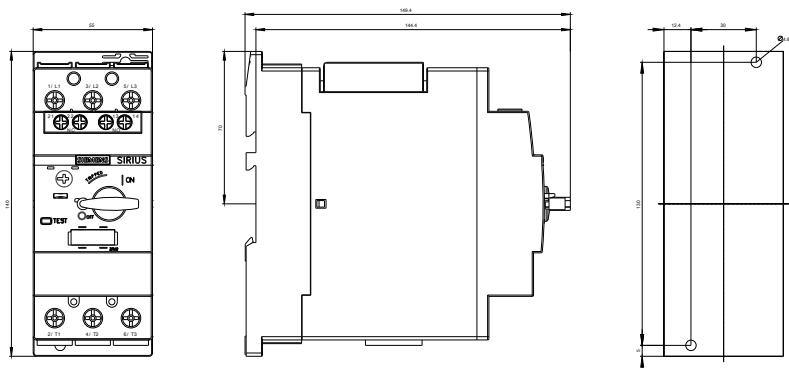
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mifb=3RV20314UA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV20314UA10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mifb=3RV20314UA10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mifb=3RV20314UA10&lang=en)



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