

Circuit breaker size S3 For starter combination Rated current 40 A  
 Short-circuit release 520 A Screw terminal Increased switching  
 capacity !!! Phased-out product !!! Successor is SIRIUS 3RV2  
 Preferred successor type is >>3RV2332-4UC10<<



Product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for starter combinations

**General technical data**

Product extension	
• Auxiliary switch	Yes
Power loss [W] total typical	20 W
Surge voltage resistance rated value	6 000 V
Protection class IP	
• on the front	IP20
Shock resistance	25g / 11 ms
Mechanical service life (switching cycles)	
• of the main contacts typical	50 000
Continuous current rated value	40 A

**Ambient conditions**

Installation altitude at height above sea level	
• maximum	2 000 m

**Main circuit**

<b>Number of poles for main current circuit</b>	3
<b>Operating voltage</b>	
• rated value	690 V
• at AC-3 rated value maximum	690 V
<b>Operating current</b>	
• at AC-3	
— at 400 V rated value	40 A
<b>Operating power</b>	
• at AC-3	
— at 400 V rated value	18.5 kW
<b>Operating frequency</b>	
• at AC-3 maximum	15 1/h

#### Auxiliary circuit

<b>Number of CO contacts</b>	
• for auxiliary contacts	0

#### Protective and monitoring functions

<b>Product function</b>	
• Ground fault detection	No
• Phase failure detection	No
<b>Maximum short-circuit current breaking capacity (Icu)</b>	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	100 kA
• at AC at 500 V rated value	18 kA
• at AC at 690 V rated value	12 kA

#### Short-circuit protection

<b>Design of the overcurrent release and short-circuit release</b>	magnetic
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#### 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 50022
<b>(height)</b>	165 mm
<b>Width</b>	70 mm
<b>Depth</b>	174 mm
<b>Required spacing</b>	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm

#### Connections/Terminals

<b>Product function</b>	
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<ul style="list-style-type: none"> <li>removable terminal for auxiliary and control circuit</li> </ul>	No
<b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals with box terminals screw-type terminals
<b>Arrangement of electrical connectors for main current circuit</b>	front side
<b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>for main contacts <ul style="list-style-type: none"> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>at AWG conductors for main contacts</li> </ul>	2x (2.5 ... 16 mm <sup>2</sup> ) 2x (10 ... 50 mm <sup>2</sup> ), 1x (10 ... 70 mm <sup>2</sup> ) 2x (2.5 ... 35 mm <sup>2</sup> ), 2.5 ... 50 mm <sup>2</sup> 2x (10 ... 1), 1x (10 ... 2)

### Certificates/approvals

#### General Product Approval



[Miscellaneous](#)

#### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



#### other

[Miscellaneous](#)

[Confirmation](#)

### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

#### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1342-4FC10>

#### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1342-4FC10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1342-4FC10>

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

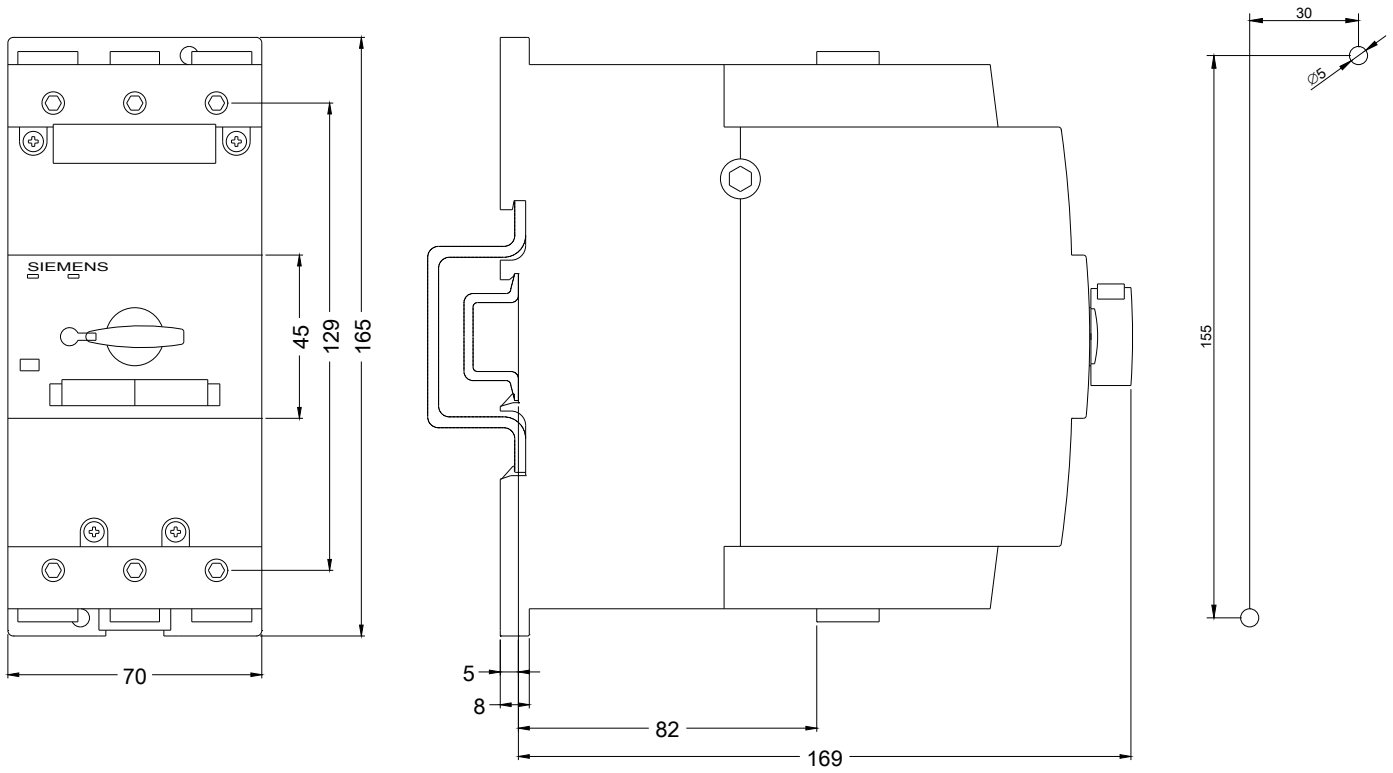
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1342-4FC10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1342-4FC10&lang=en)

#### Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1342-4FC10/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1342-4FC10&objecttype=14&gridview=view1>



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