



Circuit breaker size S3 for motor protection, Class 10 A-release 45...63 A Short-circuit release 819 A Screw terminal Standard switching capacity !!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor type is >>3RV2031-4JA10<<

Product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection
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	63 A
Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m
Main circuit	

Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	45 ... 63 A
Operating voltage • rated value • at AC-3 rated value maximum	690 V 690 V
Operating current • at AC-3 — at 400 V rated value	63 A
Operating power • at AC-3 — at 400 V rated value	30 kW
Operating frequency • at AC-3 maximum	15 1/h

Auxiliary circuit

Number of CO contacts • for auxiliary contacts	0
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Protective and monitoring functions

Product function • Ground fault detection • Phase failure detection	No Yes
Trip class	CLASS 10
Maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value	100 kA 50 kA 12 kA 6 kA

Short-circuit protection

Design of the overcurrent release and short-circuit release	thermomagnetic
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Installation/ mounting/ dimensions

Mounting position	any
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Height	165 mm
Width	70 mm
Depth	174 mm
Required spacing • with side-by-side mounting — Backwards — at the side	0 mm 0 mm

Connections/Terminals

Product function removable terminal for auxiliary and control circuit	No
Type of electrical connection - for main current circuit - for auxiliary and control current circuit	screw-type terminals with box terminals screw-type terminals
Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-sections - for main contacts — solid — stranded — finely stranded with core end processing - at AWG conductors for main contacts	2x (2.5 ... 16 mm ²) 2x (10 ... 50 mm ²), 1x (10 ... 70 mm ²) 2x (2.5 ... 35 mm ²), 2.5 ... 50 mm ² 2x (10 ... 1), 1x (10 ... 2)

Certificates/approvals

General Product Approval



For use in hazardous locations

Declaration of Conformity



[Miscellaneous](#)

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Marine / Shipping



Marine / Shipping



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=3RV1041-4JA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1041-4JA10>

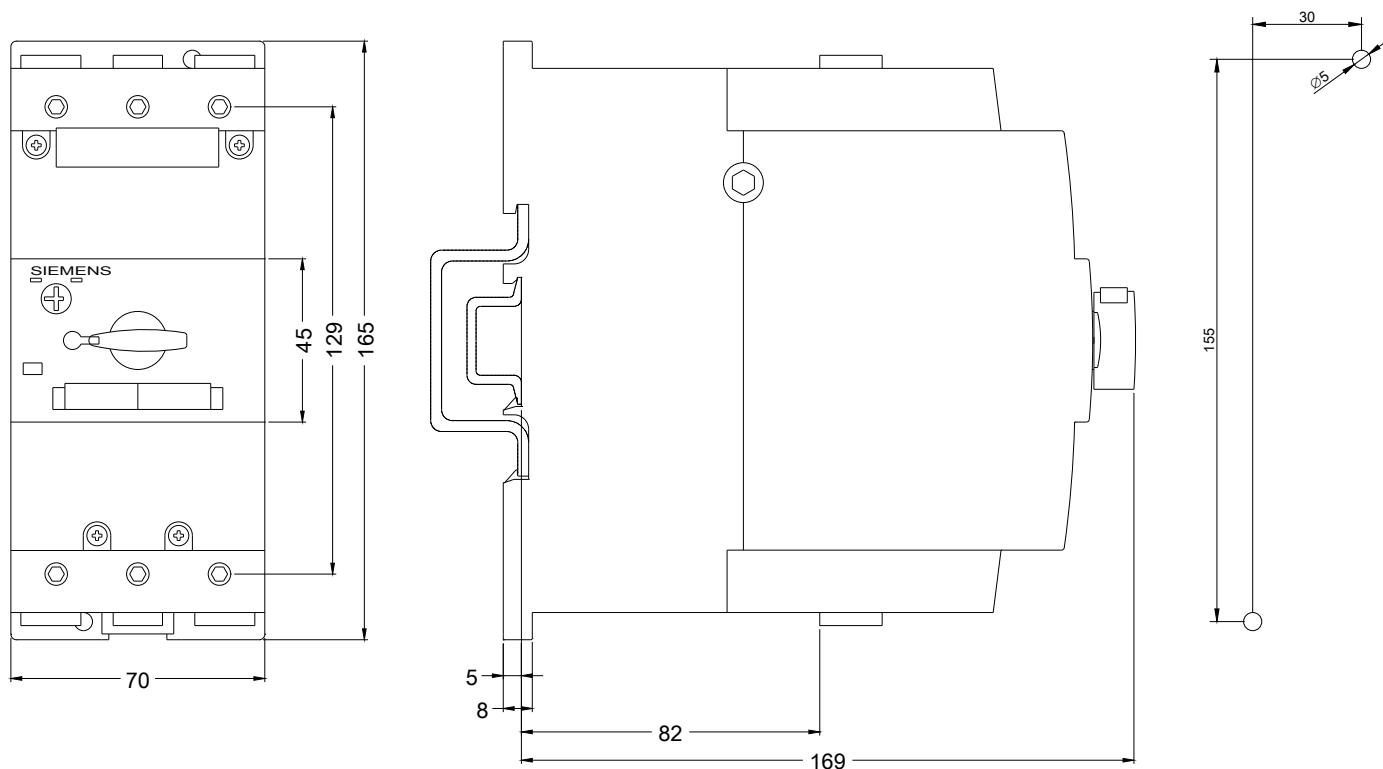
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

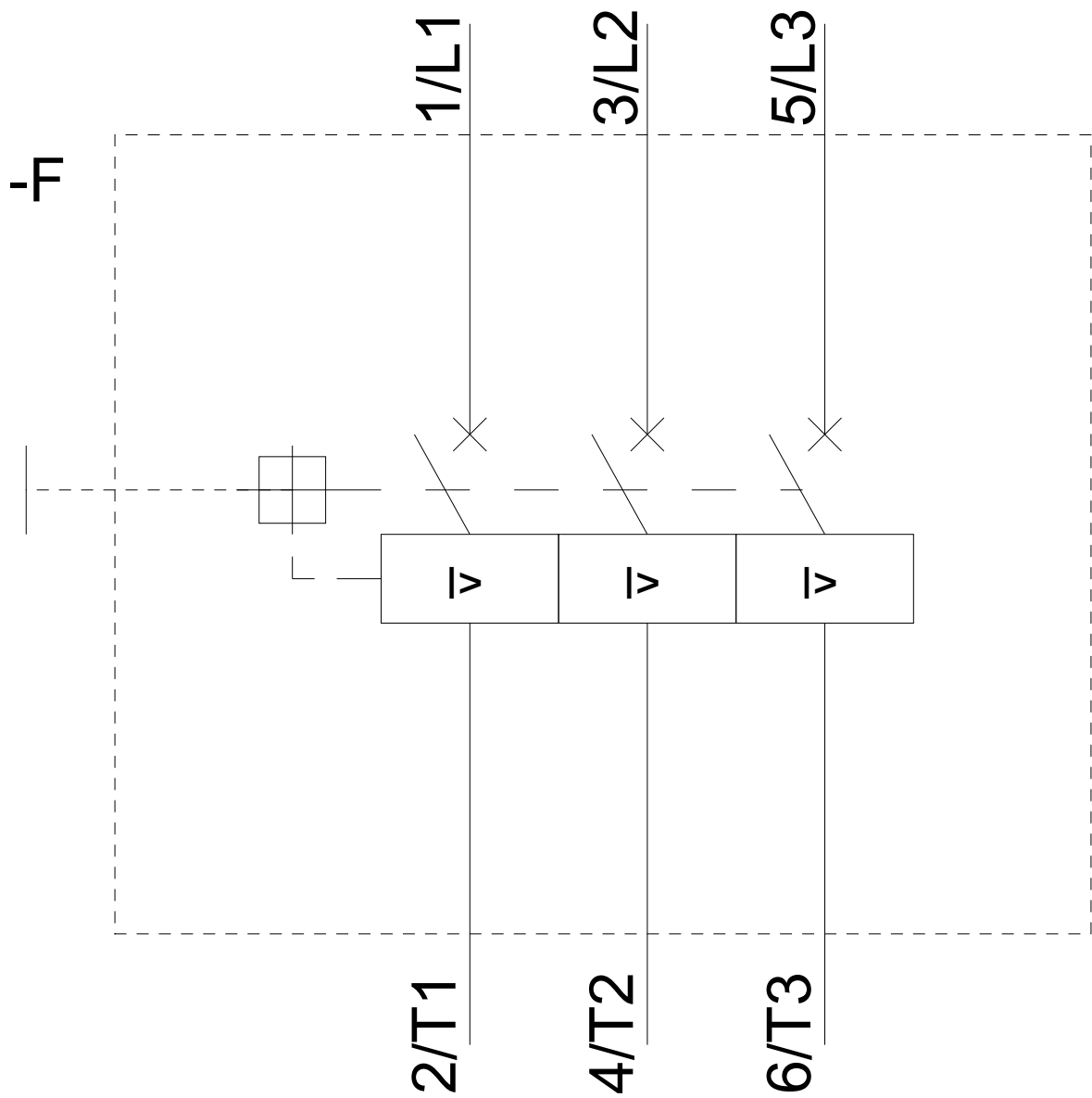
<https://support.industry.siemens.com/cs/ww/en/ps/3RV1041-4JA10>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1041-4JA10&lang=en

Characteristic: Tripping characteristics, I^2t , Let-through current
<https://support.industry.siemens.com/cs/ww/en/ps/3RV1041-4JA10/char>

Further characteristics (e.g. electrical endurance, switching frequency)
<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1041-4JA10&objecttype=14&gridview=view1>





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