



Circuit breaker size S3 for motor protection, Class 10 A-release 28...40 A
Short-circuit release 520 A Screw terminal Standard switching capacity !!!
Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor
type is >>3RV2031-4UA10<<

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] for rated value of the current	
• at AC in hot operating state	23 W
• at AC in hot operating state per pole	7.7 W
surge voltage resistance rated value	6 000 V
protection class IP on the front	IP20
shock resistance	25g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	50 000
continuous current rated value	40 A
Substance Prohibitance (Date)	07/01/2006

Ambient conditions

installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C

Main circuit

number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	28 ... 40 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	40 A
operating power at AC-3	
• at 400 V rated value	18.5 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	No
• phase failure detection	Yes
trip class	CLASS 10
maximum short-circuit current breaking capacity (Icu)	
• at AC at 240 V rated value	100 kA

• at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value	50 kA 12 kA 6 kA				
Short-circuit protection					
design of the overcurrent release and short-circuit release	thermomagnetic				
Installation/ mounting/ dimensions					
mounting position	any				
fastening method	screw and snap-on mounting onto 35 mm DIN 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 component removable terminal for auxiliary and control circuit	No				
type of electrical connection					
• for main current circuit • for auxiliary and control 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 cables for main contacts	2x (2.5 ... 16 mm²) 2x (10 ... 50 mm²), 1x (10 ... 70 mm²) 2x (2.5 ... 35 mm²), 2.5 ... 50 mm² 2x (10 ... 1), 1x (10 ... 2)				
Safety related data					
touch protection against electrical shock	finger-safe				
Certificates/ approvals					
General Product Approval					
For use in hazardous locations					
 CSA Confirmation  CCC  UL   ATEX					
For use in hazardous locations	Declaration of Conformity	Test Certificates	Marine / Shipping		
 IECEX		 EG-Konf.	Special Test Certificate Type Test Certificates/Test Report	 ABS	
Marine / Shipping		other			
 LRS	 RINA	 DNV GL DNV GL CERTIFIED	Miscellaneous	Confirmation	 VDE
Railway					
Special Test Certificate					

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1041-4FA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1041-4FA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1041-4FA10>

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

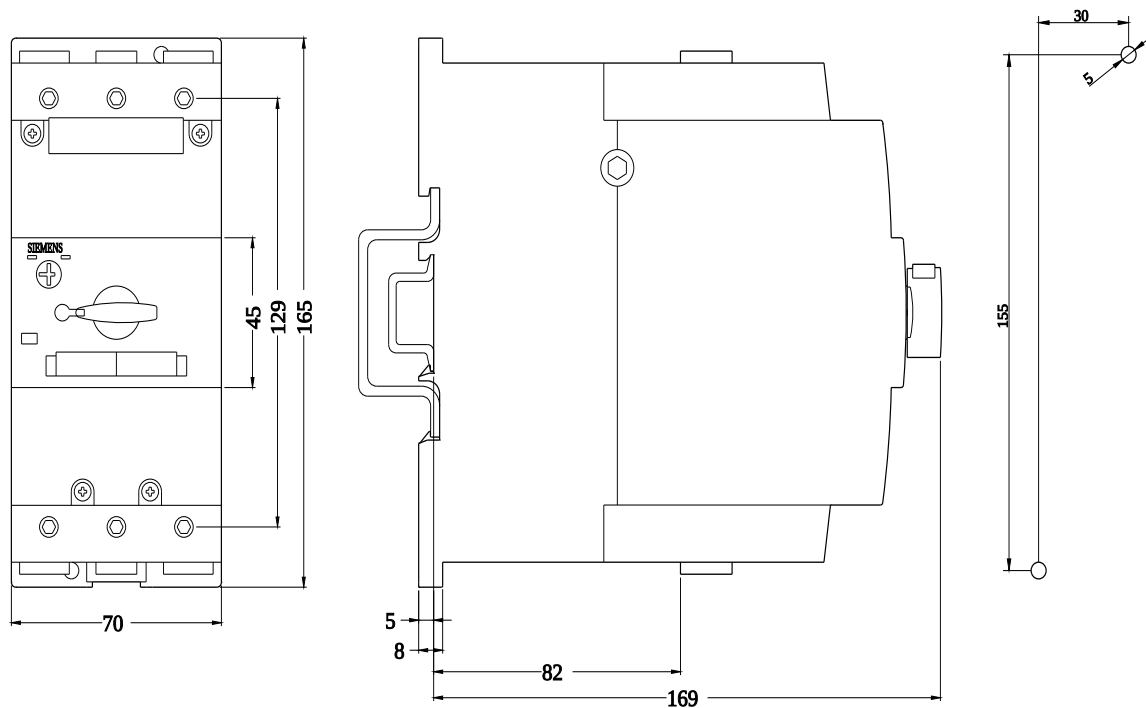
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1041-4FA10&lang=en

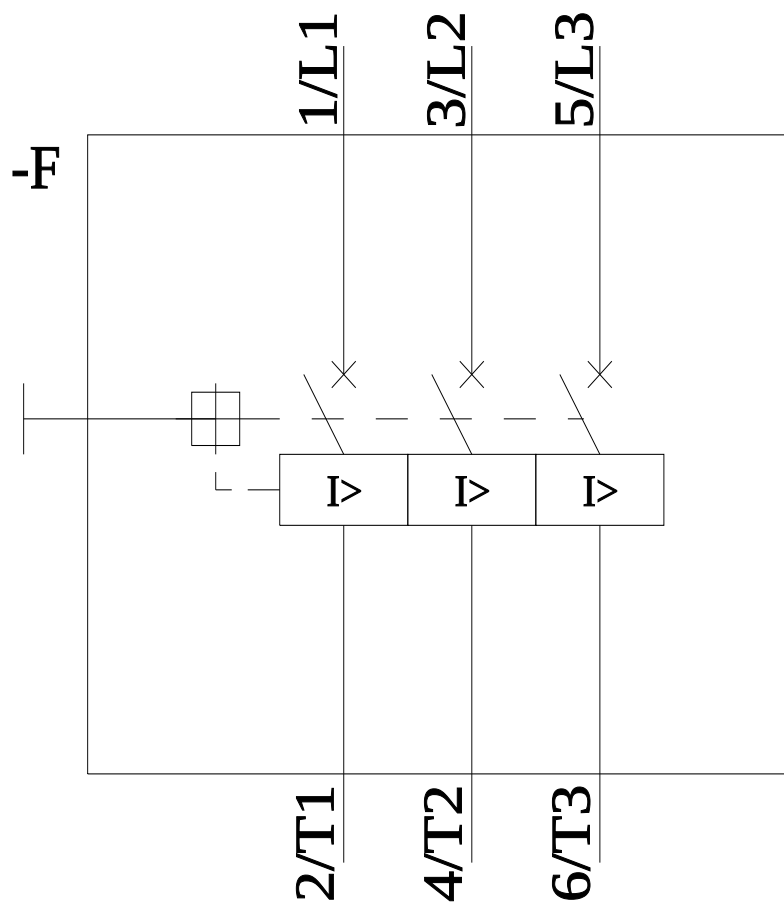
Characteristic: Tripping characteristics, I^2t , Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1041-4FA10/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1041-4FA10&objecttype=14&gridview=view1>





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