



Special type Circuit breaker size S00 for motor protection CLASS 10 A-release 2.8...4 A N release 52 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC Ambient temperature -50 °C 500 switching cycles

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	7.25 W
• at AC in hot operating state per pole	2.4 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	500
continuous current rated value	4 A
Substance Prohibittance (Date)	01/01/2013
SVHC substance name	Lead - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-50 ... +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	2.8 ... 4 A
operating voltage	
• rated value	690 V
• rated value	20 ... 690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	4 A
operating power at AC-3	
• at 400 V rated value	1.5 kW
operating frequency at AC-3 maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A

• at 230 V	0.5 A						
operational current of auxiliary contacts at DC-13							
• at 24 V	1 A						
• at 60 V	0.15 A						
Protective and monitoring functions							
product function							
• ground fault detection	No						
• phase failure detection	Yes						
trip class	CLASS 10						
design of the overload release	thermal						
maximum short-circuit current breaking capacity (Icu)							
• 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	3 kA						
• at AC at 690 V rated value	2 kA						
response value current of instantaneous short-circuit trip unit	52 A						
Short-circuit protection							
design of the short-circuit trip	magnetic						
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	90 mm						
width	45 mm						
depth	81 mm						
required spacing with side-by-side mounting							
• backwards	0 mm						
• at the side	0 mm						
Connections/ Terminals							
product component removable terminal for auxiliary and control circuit	No						
type of electrical connection							
• for main current circuit	screw-type terminals						
• for auxiliary and control circuit	screw-type terminals						
arrangement of electrical connectors for main current circuit	front side						
type of connectable conductor cross-sections for main contacts							
• solid	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)						
• stranded	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)						
• finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)						
type of connectable conductor cross-sections							
• for auxiliary contacts — solid	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)						
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)						
• for AWG cables for auxiliary contacts	2x (18 ... 14)						
Electrical Safety							
touch protection against electrical shock	finger-safe						
Approvals Certificates							
<table><tr><td>General Product Approval</td><td>For use in hazardous locations</td><td>Test Certificates</td></tr></table>		General Product Approval	For use in hazardous locations	Test Certificates			
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Marine / Shipping

other

Railway



[Miscellaneous](#)

[Confirmation](#)

[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=3RV1011-1EA15-0BA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1EA15-0BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1EA15-0BA0>

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

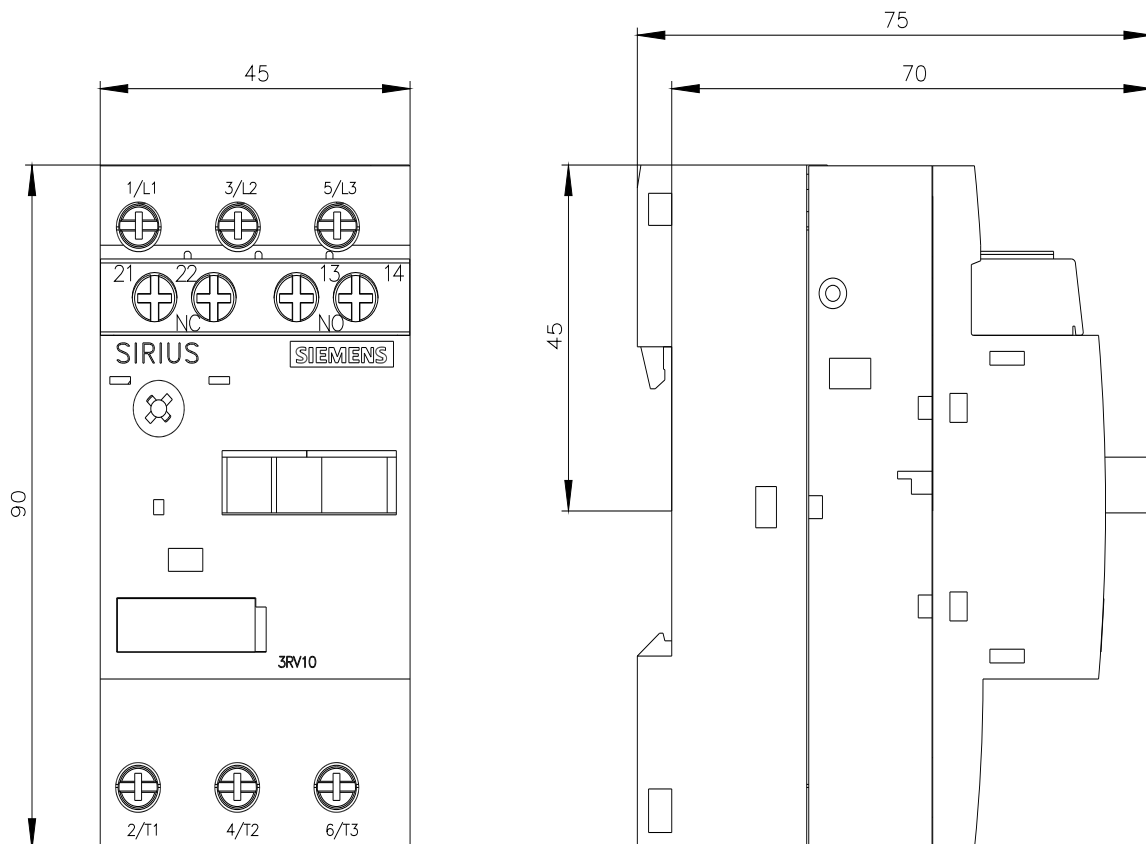
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-1EA15-0BA0&lang=en

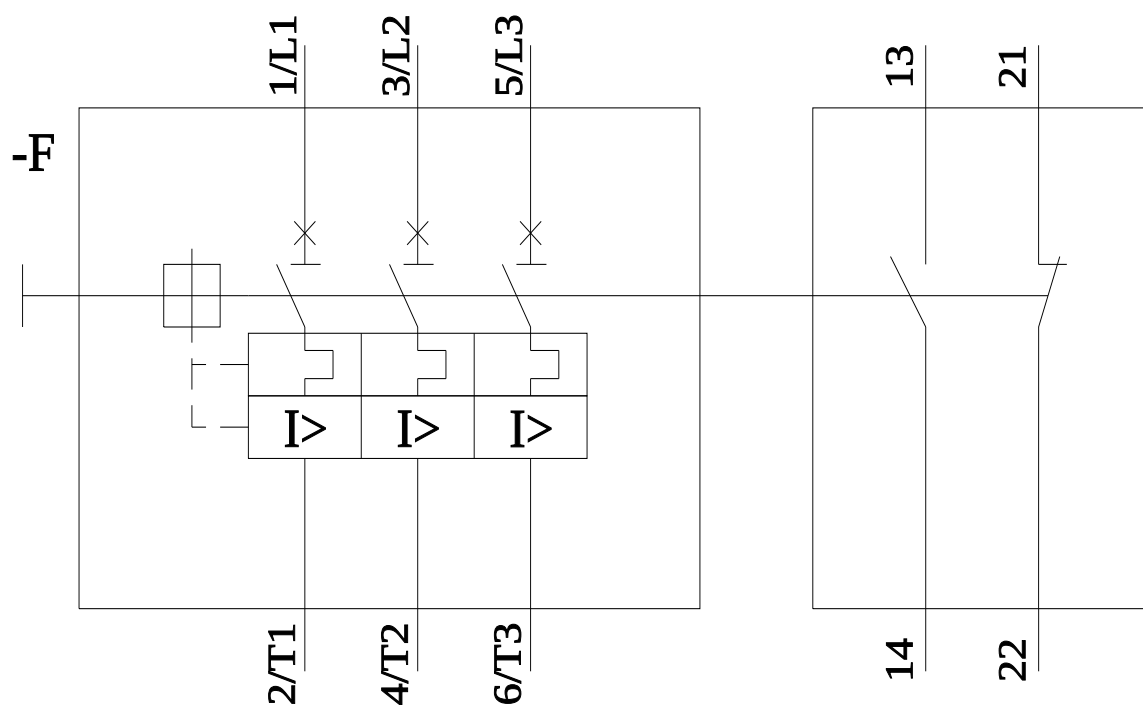
Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1EA15-0BA0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1EA15-0BA0&objecttype=14&gridview=view1>





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