

CIRCUIT-BREAKER, 1.8...2.5 A N-RELEASE 33 A, SIZE S00
 MOTOR PROTECTION, CLASS 10, CAGE CLAMP CONNECTION
 STANDARD BREAKING CAPACITY



Figure similar

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	6 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	100 000

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 pick-up value current of the current-dependent overload release	1.8 ... 2.5 A
Operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
Operating current	
• at AC-3	
— at 400 V rated value	2.5 A
Operating power	
• at AC-3	
— at 400 V rated value	0.75 kW
Operating frequency	
• at AC-3 maximum	15 1/h

Auxiliary circuit

Number of CO contacts	
• for auxiliary contacts	0

Protective and monitoring functions

Trip class	CLASS 10
Maximum short-circuit current breaking capacity (I_{cu})	
• 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	10 kA
• at AC at 690 V rated value	2 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	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 function <ul style="list-style-type: none">removable terminal for auxiliary and control circuit	No
Type of electrical connection <ul style="list-style-type: none">for main current circuitfor auxiliary and control current circuit	spring-loaded terminals spring-loaded terminals
Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-sections <ul style="list-style-type: none">for main contacts<ul style="list-style-type: none">solidfinely stranded with core end processingfinely stranded without core end processingat AWG conductors for main contacts	2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 2.5 mm ²) 2x (24 ... 14)

Certificates/approvals

General Product Approval



CCC



CSA



UL



ATEX



IECEX

For use in hazardous locations

Declaration of Conformity



EG-Konf.

Test Certificates

[spezielle Prüfbescheinigung](#)
[n](#)



ABS



BUREAU VERITAS



DNV



LRS

Shipping Approval

Shipping Approval



RINA



RMRS

other

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VDE

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=3RV1011-1CA20-Z W98>

Cax online generator

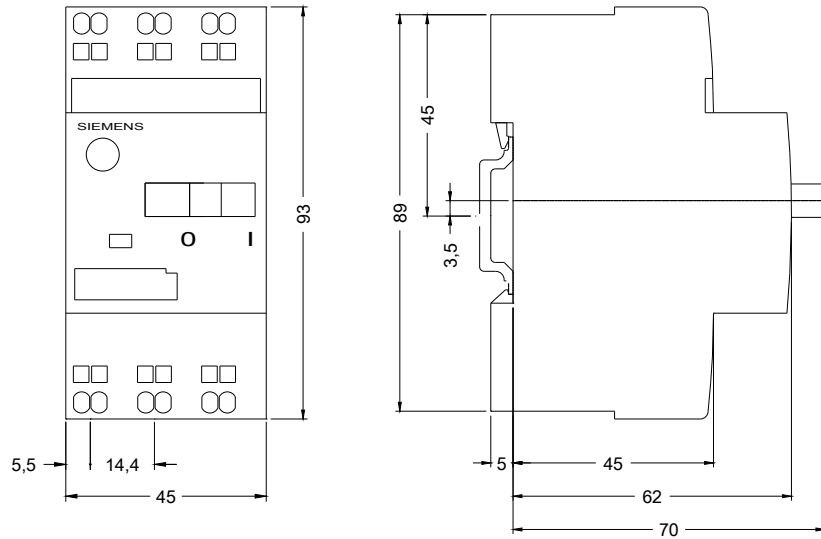
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1CA20-Z W98>

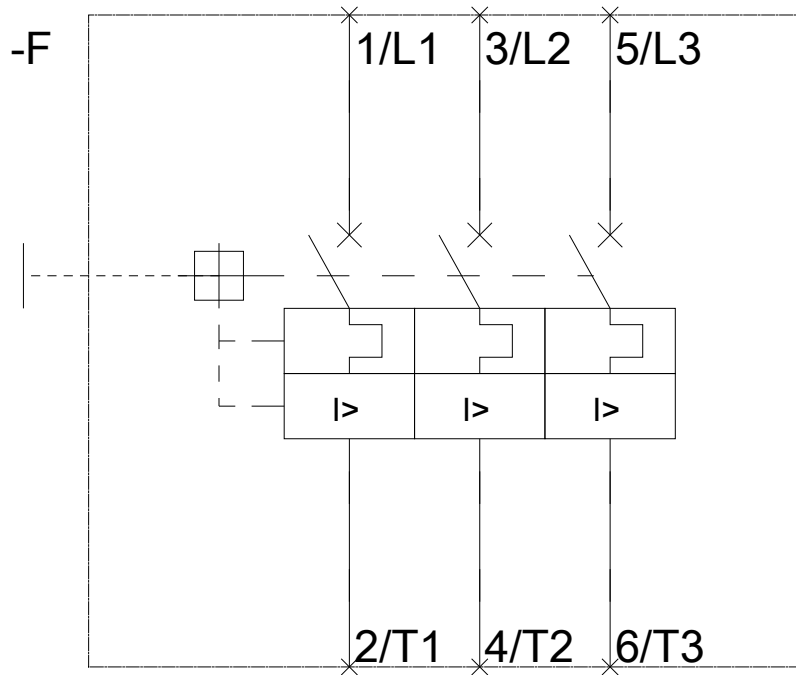
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1CA20-Z W98>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-1CA20-Z W98&lang=en





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