

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

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 (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
100 kA
10 kA
2 kA

Short-circuit protection

Design of the overcurrent release and short-circuit release

thermomagnetic

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
 - 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

spring-loaded terminals
spring-loaded terminals

Arrangement of electrical connectors for main current circuit

front side

Type of connectable conductor cross-sections

- for main contacts
 - solid
 - finely stranded with core end processing
 - finely stranded without core end processing
- at AWG conductors for main contacts

2x (0.25 ... 2.5 mm²)
2x (0.25 ... 1.5 mm²)
2x (0.25 ... 2.5 mm²)
2x (24 ... 14)

Certificates/approvals

General Product Approval



CCC



CSA



UL



ATEX



IECEX

Declaration of Conformity



EG-Konf.

Test Certificates

[spezielle Prüfbescheinigungen](#)
[n](#)

Shipping Approval



ABS



DNV



LRS

Shipping Approval

other



RINA



RMRS

[sonstig](#)

[Umweltbestätigung](#)

[Bestätigungen](#)



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 W96>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1CA20-Z W96>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1CA20-Z W96>

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 W96&lang=en

last modified:

09/20/2016