

CIRCUIT-BREAKER, 1.1...1.6 A, N-RELEASE 21 A, SIZE S0,
MOTOR PROTECTION, CLASS 10, SCREW CONNECTION
STANDARD BREAKING CAPACITY MULTI-UNIT PACKING
PACKING = 14 ITEMS

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	1.1 ... 1.6 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	1.6 A
Operating power	
• at AC-3	
— at 400 V rated value	0.55 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

100 kA

100 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

97 mm

Width

45 mm

Depth

96 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

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 (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

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2x (14 ... 10)

Certificates/approvals

General Product Approval				For use in hazardous locations	
					
CCC	CSA	UL		ATEX	IECEX

Declaration of Conformity	Test Certificates	Shipping Approval			
	spezielle Prüfbescheinigungen				
EG-Konf.	n	ABS	BUREAU VERITAS	DNV	LRS

Shipping Approval	other				
	Umweltbestätigung	sonstig	Bestätigungen		VDE
RMRS					

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=3RV1021-1AA10-Z W97>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1021-1AA10-Z W97>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-1AA10-Z W97>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-1AA10-Z W97&lang=en

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