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Show actual product details

Data sheet 3RV1011-1KA20-Z W98

CIRCUIT-BREAKER, 9...12 A N-RELEASE 156 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	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 (switching cycles)	
• of the main contacts typical	100 000

Ambient conditions

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	

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• 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	9 ... 12 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	12 A
Operating power	
• at AC-3	
— at 400 V rated value	5.5 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	100 kA
• at AC at 400 V rated value	50 kA
• at AC at 500 V rated value	3 kA
• at AC at 690 V rated value	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	0 mm

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— at the side	0 mm

Connections/Terminals

Product function	
• removable terminal for auxiliary and control circuit	No
Type of electrical connection	
• for main current circuit	spring-loaded terminals
• for auxiliary and control current circuit	spring-loaded terminals
Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (0.25 ... 2.5 mm²)
— finely stranded with core end processing	2x (0.25 ... 1.5 mm²)
— finely stranded without core end processing	2x (0.25 ... 2.5 mm²)
• at AWG conductors for main contacts	2x (24 ... 14)

Certificates/approvals

General Product Approval | **For use in hazardous locations**

CCC, CSA, UL, EAC, ATEX, IECEx

Declaration of Conformity | **Test Certificates** | **Shipping Approval**

EG-Konf., spezielle Prüfbescheinigungen, ABS, Bureau Veritas, DNV, LRS

Shipping Approval | **other**

RINA, RMRS, Bestätigungen, sonstig, Umweltbestätigung, 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=3RV1011-1KA20-Z W98

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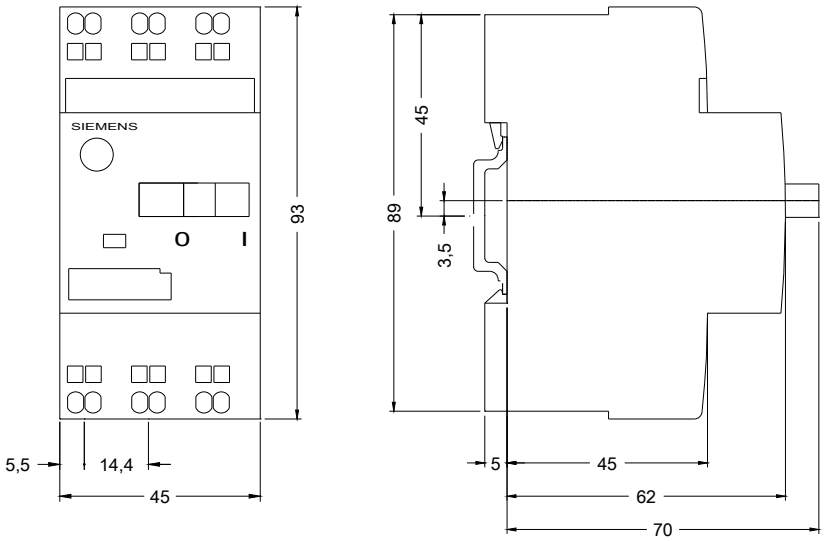
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1KA20-Z W98

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1KA20-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=3RV1011-1KA20-Z W98&lang=en



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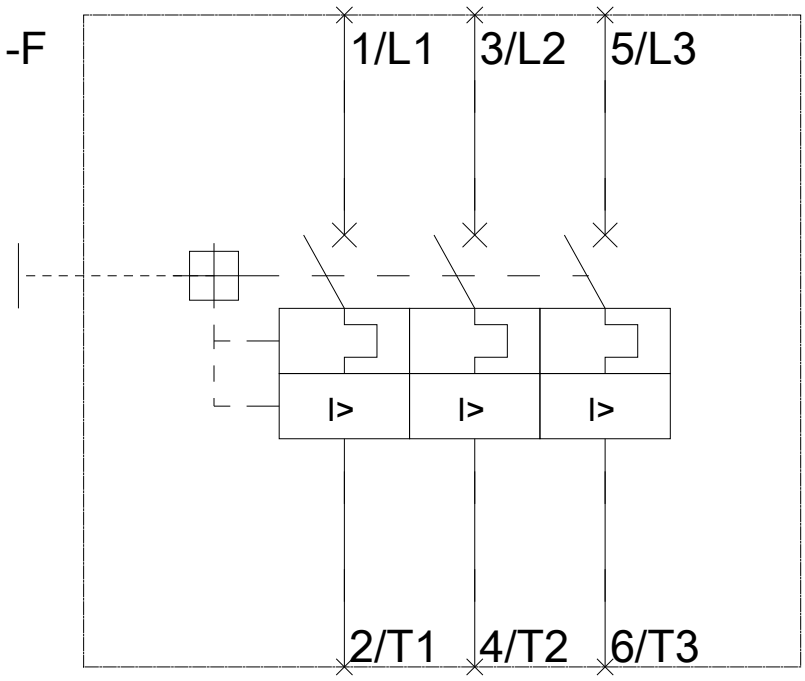

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