

Circuit breaker size S0 for motor protection CLASS 10 A-release 1.1...1.6 A Short-circuit release 21 A Screw terminal Standard switching capacity !!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor type is >>3RV2011-1AA10<<



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
Continuous current rated value	1.6 A

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

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 <ul style="list-style-type: none"> • rated value • at AC-3 rated value maximum 	690 V 690 V
Operating current <ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 	1.6 A
Operating power <ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 	0.55 kW
Operating frequency <ul style="list-style-type: none"> • at AC-3 maximum 	15 1/h
Auxiliary circuit	
Number of CO contacts <ul style="list-style-type: none"> • for auxiliary contacts 	0
Protective and monitoring functions	
Product function <ul style="list-style-type: none"> • Ground fault detection • Phase failure detection 	No Yes
Trip class	CLASS 10
Maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — 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 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 <ul style="list-style-type: none"> for main contacts <ul style="list-style-type: none"> — solid — stranded — finely stranded with core end processing at AWG conductors for main contacts 	2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (14 ... 10)

Certificates/approvals

General Product Approval



For use in hazardous locations

Declaration of Conformity



[Miscellaneous](#)

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Marine / Shipping



Marine / Shipping



other

[Confirmation](#)

[Miscellaneous](#)



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>

Cax online generator

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

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

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

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

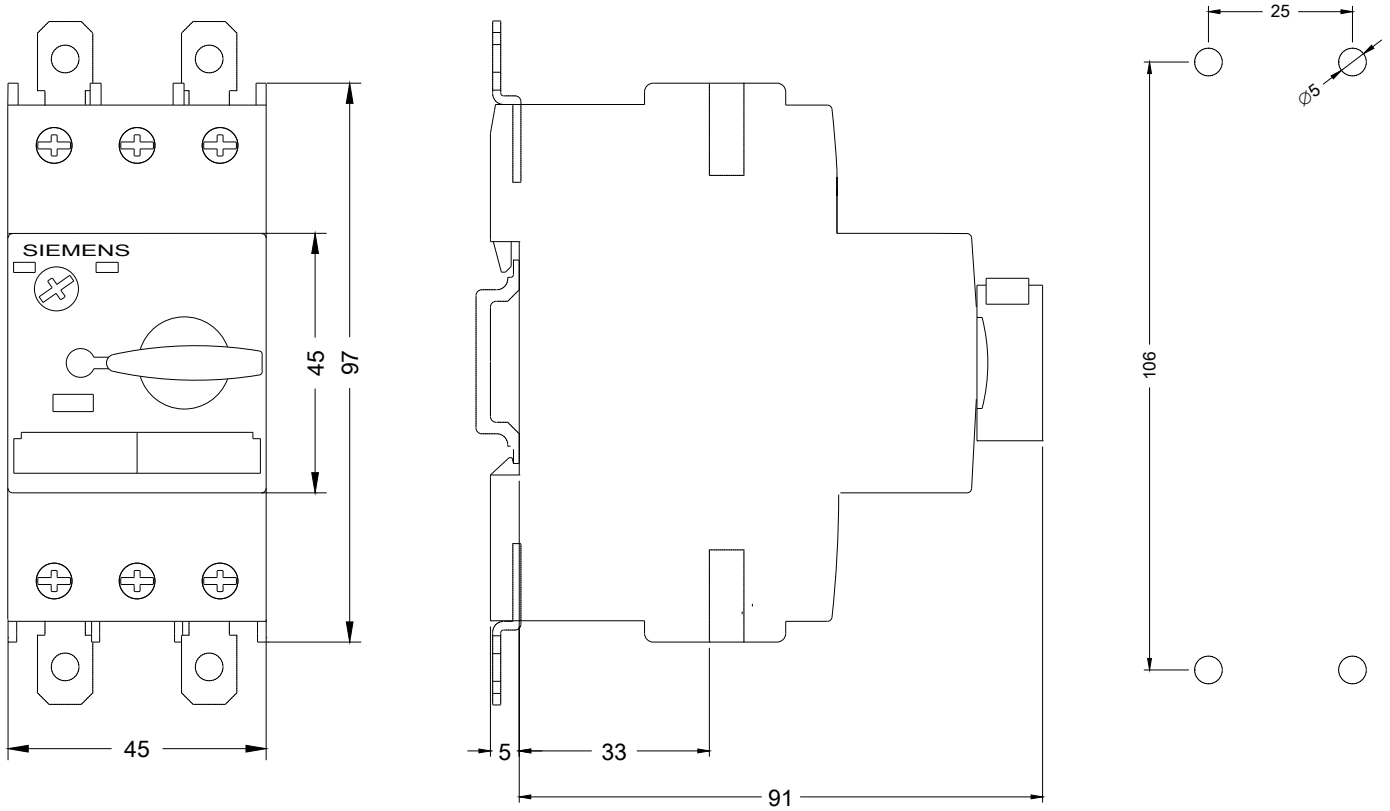
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-1AA10&lang=en

Characteristic: Tripping characteristics, I^2t , Let-through current

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

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1021-1AA10&objecttype=14&gridview=view1>





last modified:

05/06/2019