



Figure similar

Circuit breaker size S0 for motor protection CLASS 10 A-release 14...20 A
Short-circuit release 260 A Screw terminal Standard switching capacity !!!
Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor
type is >>3RV2021-4BA10<<

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] for rated value of the current	
• at AC in hot operating state	10.5 W
• at AC in hot operating state per pole	3.5 W
surge voltage resistance rated value	6 000 V
protection class IP on the front	IP20
shock resistance	25g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	100 000
continuous current rated value	20 A
Substance Prohibitance (Date)	05/01/2012

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 current response value current of the current-dependent overload release	14 ... 20 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	20 A
operating power at AC-3	
• at 400 V rated value	7.5 kW
operating frequency at AC-3 maximum	15 1/h

Auxiliary circuit

number of CO contacts for auxiliary contacts	0
--	---

Protective and monitoring functions

product function	
• ground fault detection	No
• phase failure detection	Yes
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 10 kA
- at AC at 690 V rated value 4 kA

Short-circuit protection

design of the overcurrent release and short-circuit release thermomagnetic

Installation/ mounting/ dimensions

mounting position any

fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022

height 97 mm

width 45 mm

depth 96 mm

required spacing with side-by-side mounting

- backwards 0 mm
- at the side 0 mm

Connections/ Terminals

product component removable terminal for auxiliary and control circuit No

type of electrical connection

- for main current circuit screw-type terminals
- for auxiliary and control circuit screw-type terminals

arrangement of electrical connectors for main current circuit front side

type of connectable conductor cross-sections

- for main contacts
 - solid 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
 - stranded 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
 - finely stranded with core end processing 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
- at AWG cables for main contacts 2x (14 ... 10)

Safety related data

touch protection against electrical shock finger-safe

Certificates/ approvals

General Product Approval

For use in hazardous locations



[Confirmation](#)



For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other



[Miscellaneous](#)

[Confirmation](#)



Railway

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1021-4BA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1021-4BA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-4BA10>

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

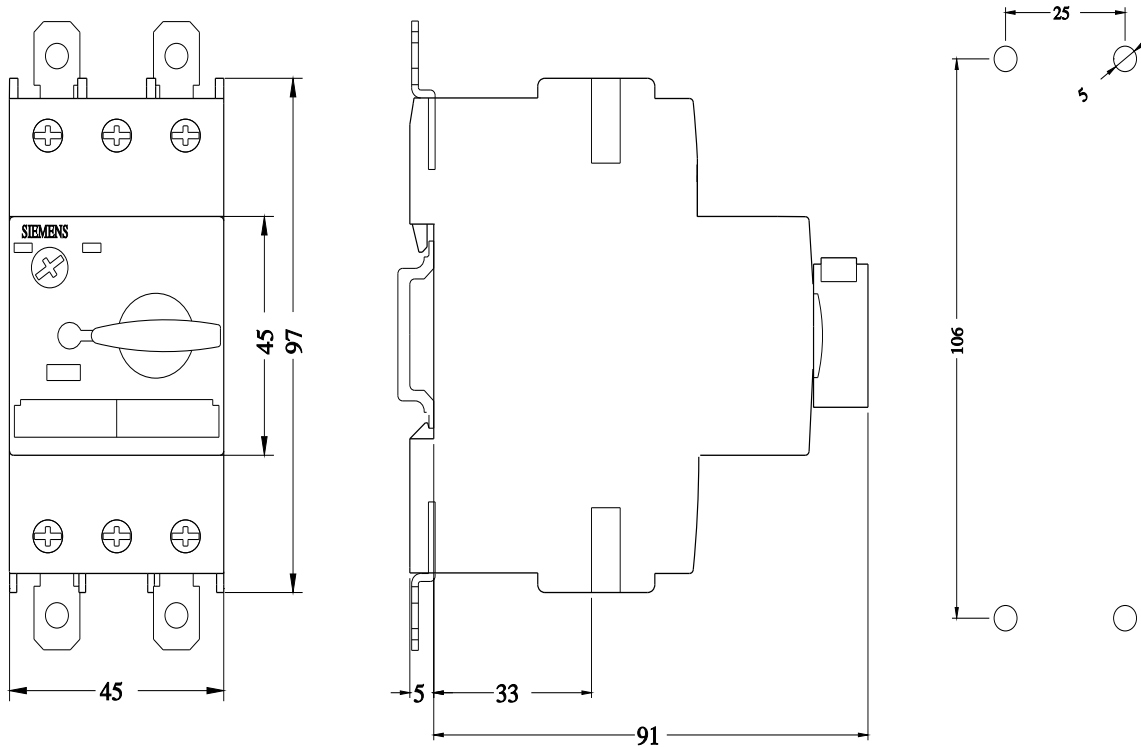
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-4BA10&lang=en

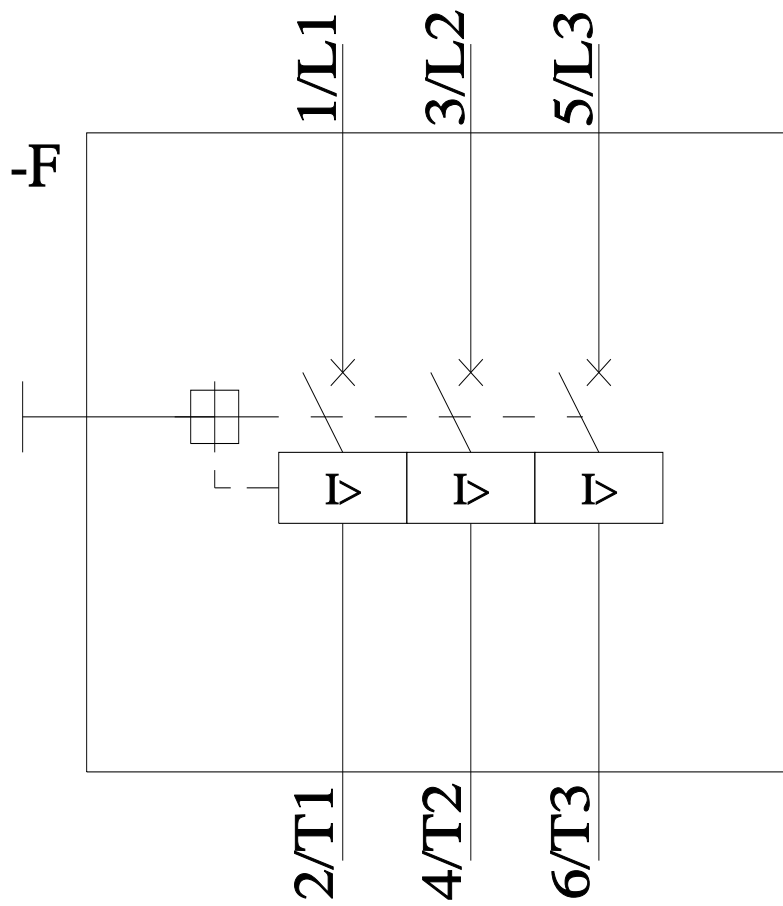
Characteristic: Tripping characteristics, I^t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-4BA10/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1021-4BA10&objecttype=14&gridview=view1>





last modified:

11/21/2022 