ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Siemens 3RV1421-1DA10* at our website: *Click HERE*

SIEMENS

Data sheet 3RV1421-1DA10

Circuit breaker size S0 For transformer protection A-release 2.2...3.2 A Short-circuit release 65 A Screw terminal Standard switching capacity !!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor type is >>3RV2411-1DA10<<



Figure similar

product brand name	SIRIUS
product designation	circuit breaker
design of the product	for transformer protection

General technical data

product extension	
• auxiliary switch	Yes
power loss [W] for rated value of the current	
• at AC in hot operating state	7.25 W
• at AC in hot operating state per pole	2.4 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	3.2 A

Ambient conditions

Subject to change without notice
© Copyright Siemens

• 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	2.2 ... 3.2 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	3.2 A
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	100 kA
• at AC at 500 V rated value	100 kA
• at AC at 690 V rated value	8 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

Subject to change without notice
© Copyright Siemens

required spacing	
• with side-by-side mounting	
— backwards	0 mm
— 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	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 conductors for main contacts	2x (14 ... 10)

Certificates/ approvals

General Product Approval			Declaration of Conformity		Test Certificates
CSA	CCC	EAC	EG-Konf.	Miscellaneous	Special Test Certificate

Test Certificates	Marine / Shipping				
Type Test Certificates/Test Report	ABS	BUREAU VERITAS	LRS	RINA	RMRS

Marine / Shipping	other			Railway
DNVGL.COM/AF	Miscellaneous	Confirmation	VDE	Special Test Certificate

Subject to change without notice
© Copyright Siemens

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=3RV1421-1DA10

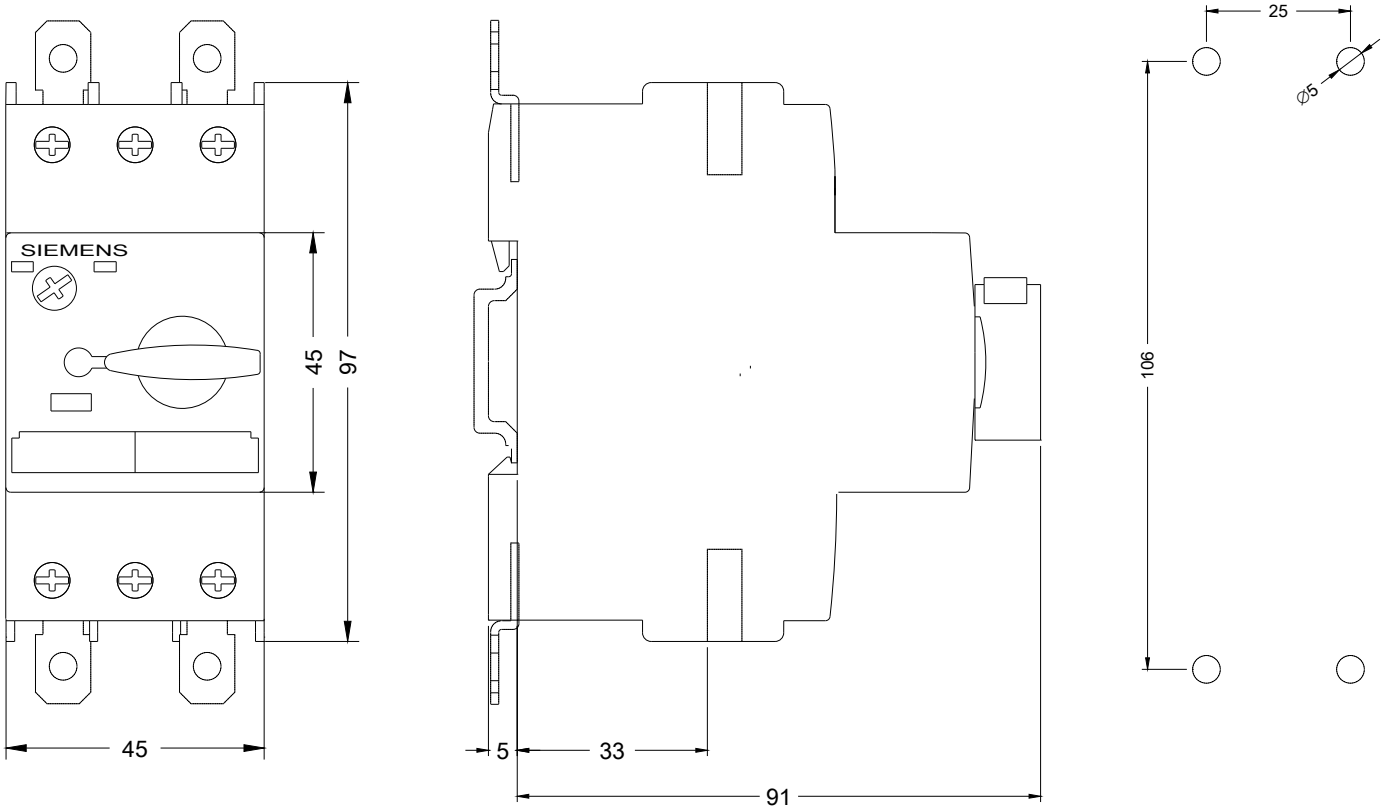
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1421-1DA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RV1421-1DA10

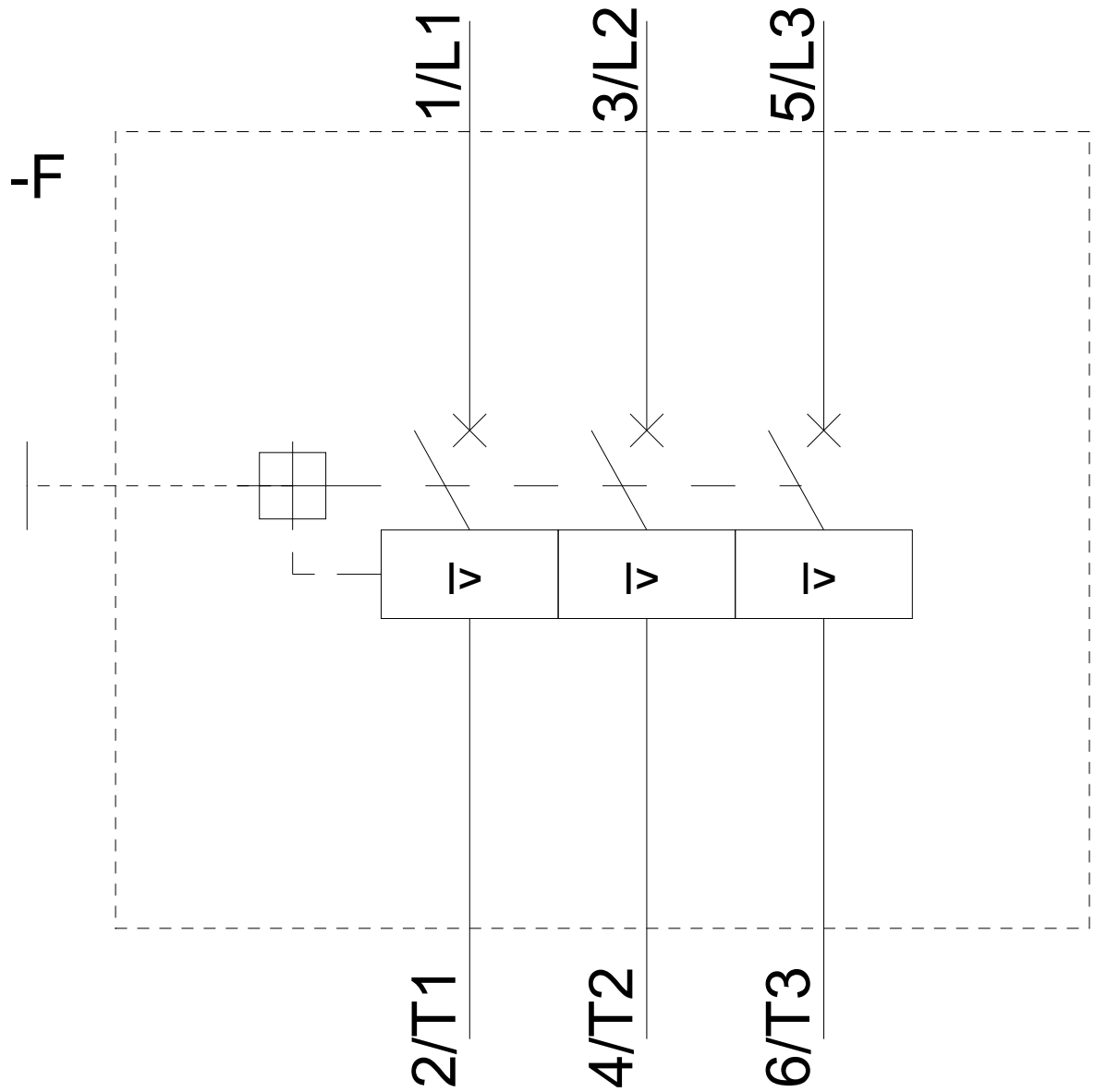
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1421-1DA10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RV1421-1DA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1421-1DA10&objecttype=14&gridview=view1



Subject to change without notice
© Copyright Siemens



last modified: 10/10/2020

Subject to change without notice
© Copyright Siemens

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP