SIEMENS

Data sheet 3RV2021-0AA10-0DA0



circuit breaker size S0 for system protection without phase failure protection A-release 0.11...0.16 A short-circuit release 2.1 A screw terminal standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	for system protection
product type designation	3RV2
General technical data	
Substance Prohibitance (Date)	10/01/2009
Weight	0.28 kg
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	75.078 kg
global warming potential [CO2 eq] during manufacturing	2.68 kg
global warming potential [CO2 eq] during sales	0.143 kg
global warming potential [CO2 eq] during operation	72.7 kg
global warming potential [CO2 eq] after end of life	-0.445 kg
Main circuit	
adjustable current response value current of the current-dependent overload release	0.11 ... 0.16 A
type of voltage for main current circuit	AC
Short-circuit protection	
design of the short-circuit trip	magnetic
Installation/ mounting/ dimensions	
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
Connections/ Terminals	
arrangement of electrical connectors for main current circuit	Top and bottom
Safety related data	
product function suitable for safety function	Yes
suitability for use	
● safety-related switching on	No
● safety-related switching OFF	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
● with low demand rate according to SN 31920	40 %
● with high demand rate according to SN 31920	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes

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IEC 61508	
safety device type according to IEC 61508-2	Type A

Approvals Certificates

General Product Approval

CCC | CE EG-Konf. | UKCA | KC | EAC | IRAM

General Product Approval	Test Certificates		Maritime application		
	Type Test Certificates/Test Report	Special Test Certificate	ABS	BUREAU VERITAS	DNV

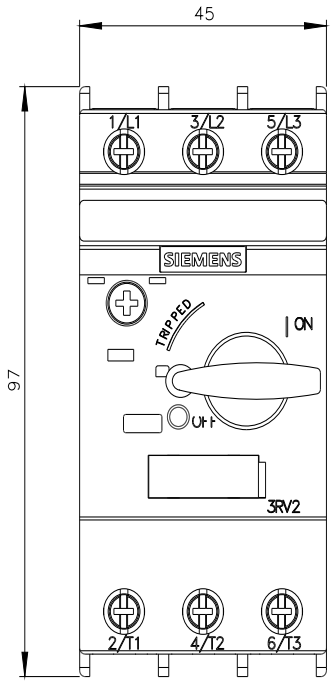
Maritime application			other		
LRS	PRS	RINA	Confirmation	Miscellaneous	产品合格 QC PASS

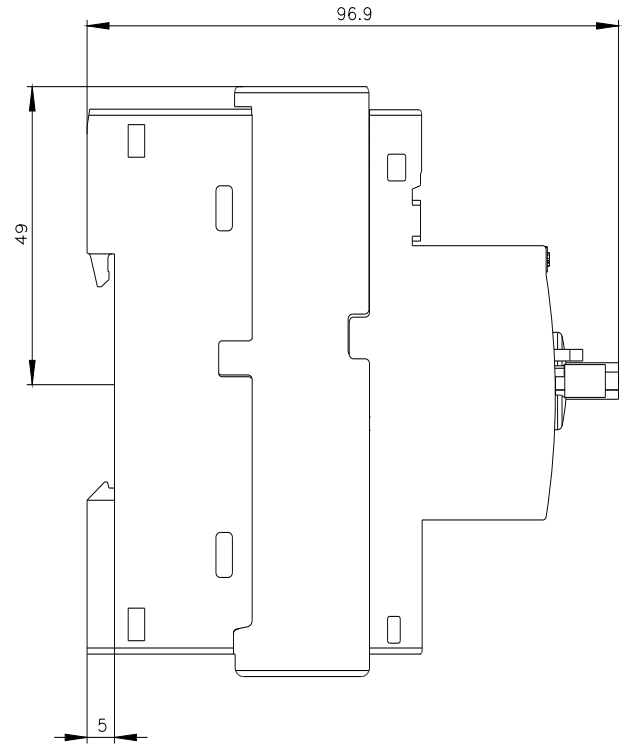
other	Railway		Environment		
VDE	Special Test Certificate	Confirmation	Siemens EcoTech	EPD	Environmental Confirmations

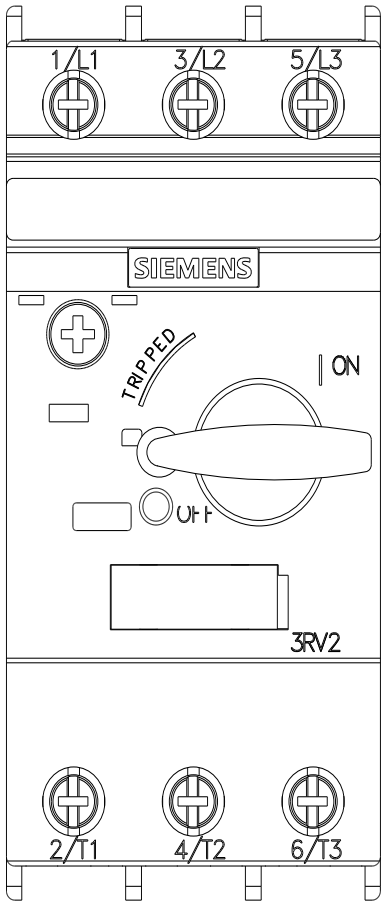
Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RV2021-0AA10-0DA0
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2021-0AA10-0DA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-0AA10-0DA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2021-0AA10-0DA0&lang=en
Characteristic: Tripping characteristics, I²t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-0AA10-0DA0/char
Further characteristics (e.g. electrical endurance, switching frequency)
https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2021-0AA10-0DA0&objecttype=14&gridview=view1

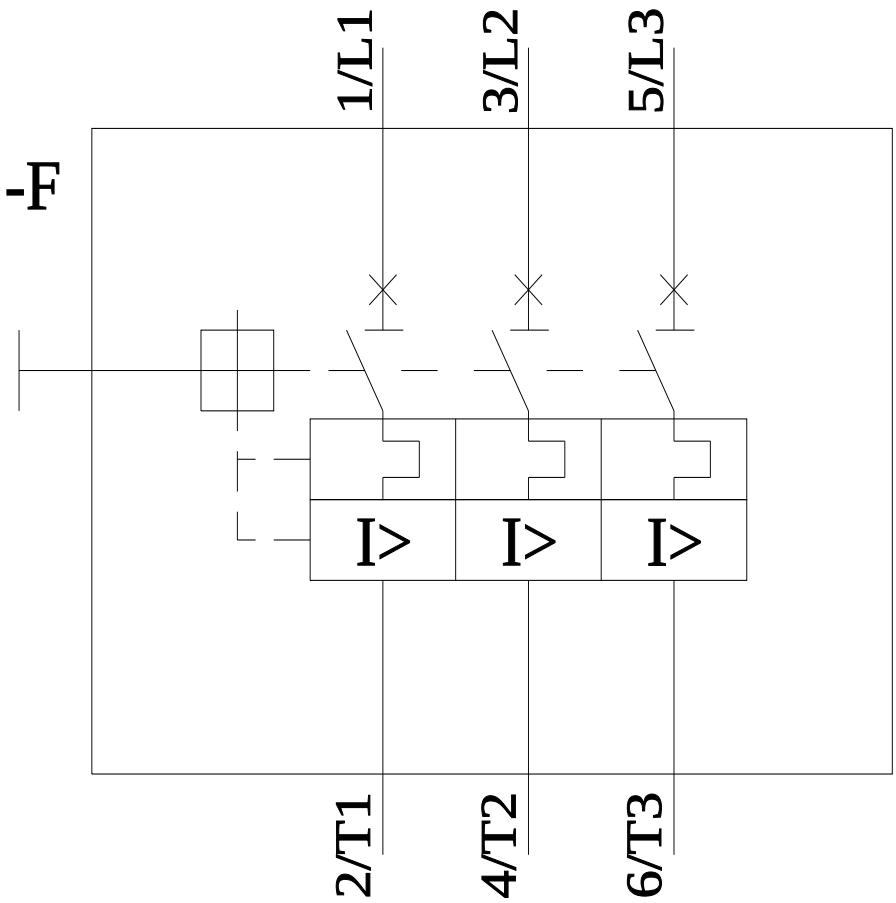
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