



Load feeder fuseless, Reversing duty 400 V AC, Size S00 2.80...4.00 A 24 V DC Spring-type terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, I_q = 150 kA 1 NC (contactor)

product brand name
product designation
design of the product
product type designation
manufacturer's article number

- of the supplied contactor
- of the supplied circuit-breakers
- of the supplied link module

SIRIUS
 Reversing starter
 for standard rail or screw mounting
 3RA22

[3RT2015-2BB42](#)
[3RV2011-1EA20](#)
[3RA2911-2AA00](#)

General technical data

size of the circuit-breaker	S00
size of load feeder	S00
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
degree of protection NEMA rating	other
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (switching cycles) of contactor typical	30 000 000
type of assignment	2
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
Substance Prohibitance (Date)	10/01/2009

Ambient conditions

ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
temperature compensation	-20 ... +60 °C
relative humidity during operation	10 ... 95 %

Main circuit

number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	2.8 ... 4 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current	

• at AC-3 at 400 V rated value • at AC-3e at 400 V rated value	3.6 A 3.6 A
operating power	
• at AC-3 — at 400 V rated value • at AC-3e — at 400 V rated value	1 500 W 1 500 kW
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value • rated value	24 V 24 ... 24 V
holding power of magnet coil at DC	4 W
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	4 A
yielded mechanical performance [hp]	
• for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value	0.75 hp 1 hp 2 hp 3 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (I_q)	
• at 400 V according to IEC 60947-4-1 rated value	150 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	204 mm
width	90 mm
depth	97 mm
required spacing	
• for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side	32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm 10 mm 10 mm
Connections/ Terminals	
type of electrical connection	
• for main current circuit • for auxiliary and control circuit	spring-loaded terminals spring-loaded terminals
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
• with high demand rate according to SN 31920	73 %
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	

protocol is supported

- PROFINET IO protocol
- PROFIsafe protocol

protocol is supported AS-Interface protocol

No
No
No

Certificates/ approvals**General Product Approval****For use in hazardous locations****Declaration of Conformity**[Confirmation](#)**Declaration of Conformity****Test Certificates****Marine / Shipping**

EG-Konf.

[Type Test Certificates/Test Report](#)
[Special Test Certificate](#)


ABS

BUREAU
VERITAS

LRS

Marine / Shipping**other****Railway**

PRS



RINA



RMRS

DNV GL
DANS L'INDUSTRIE[Confirmation](#)[Vibration and Shock](#)**Dangerous Good**
[Transport Information](#)
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=3RA2210-1EE15-2BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1EE15-2BB4>

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

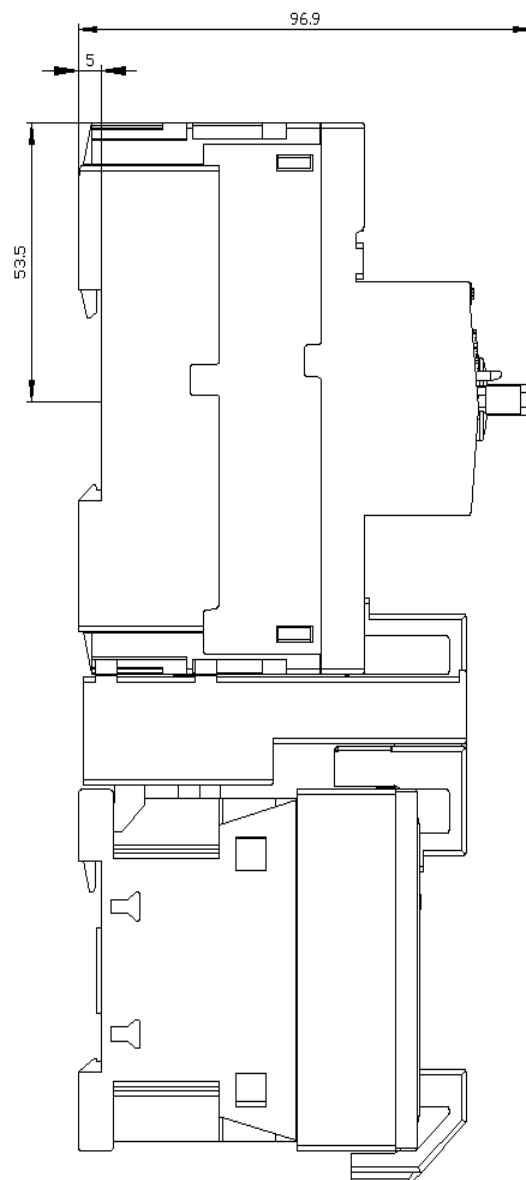
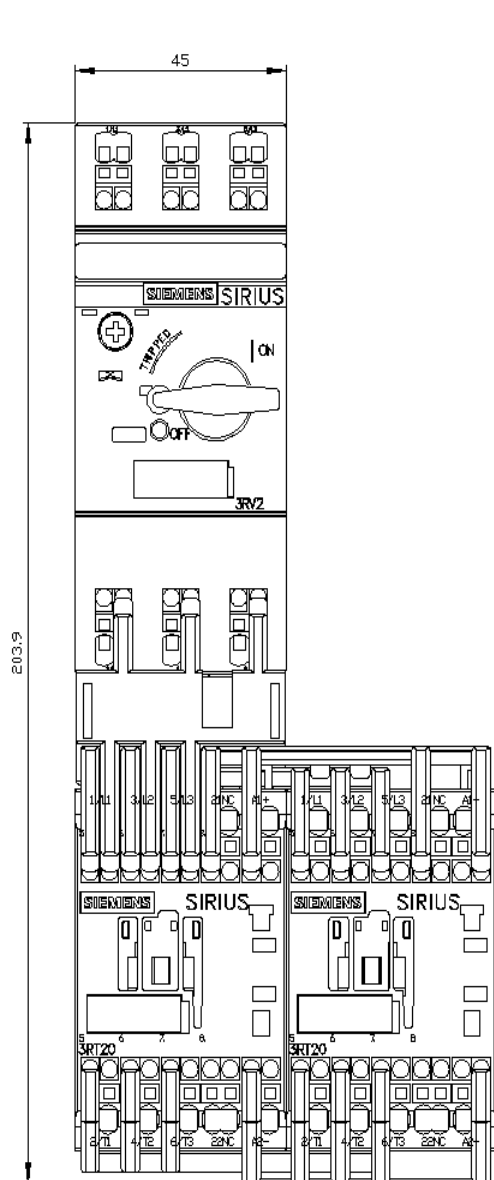
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1EE15-2BB4>

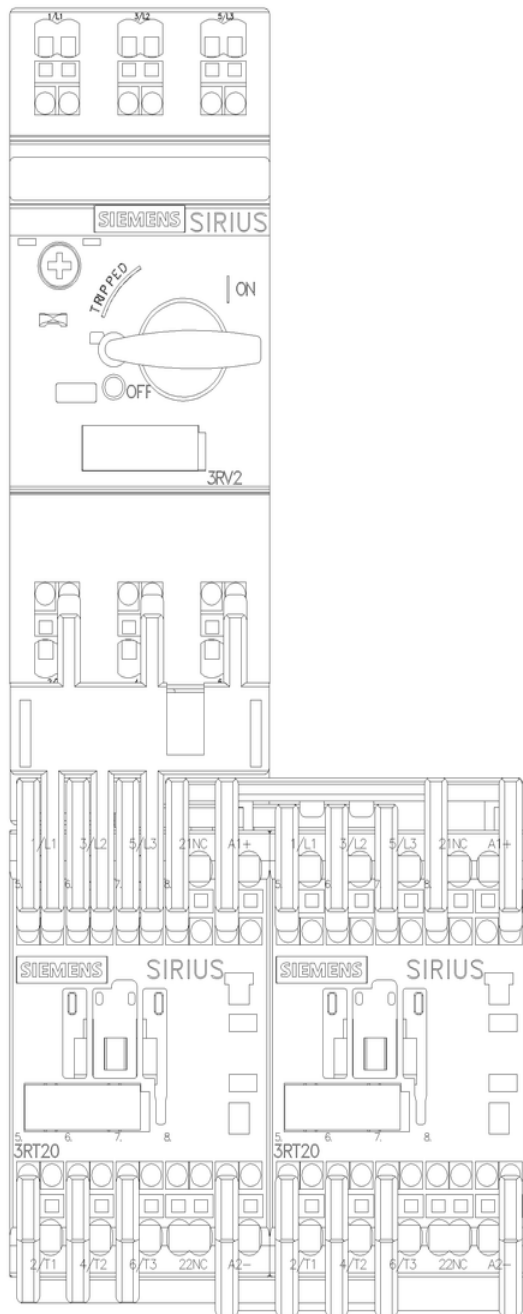
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

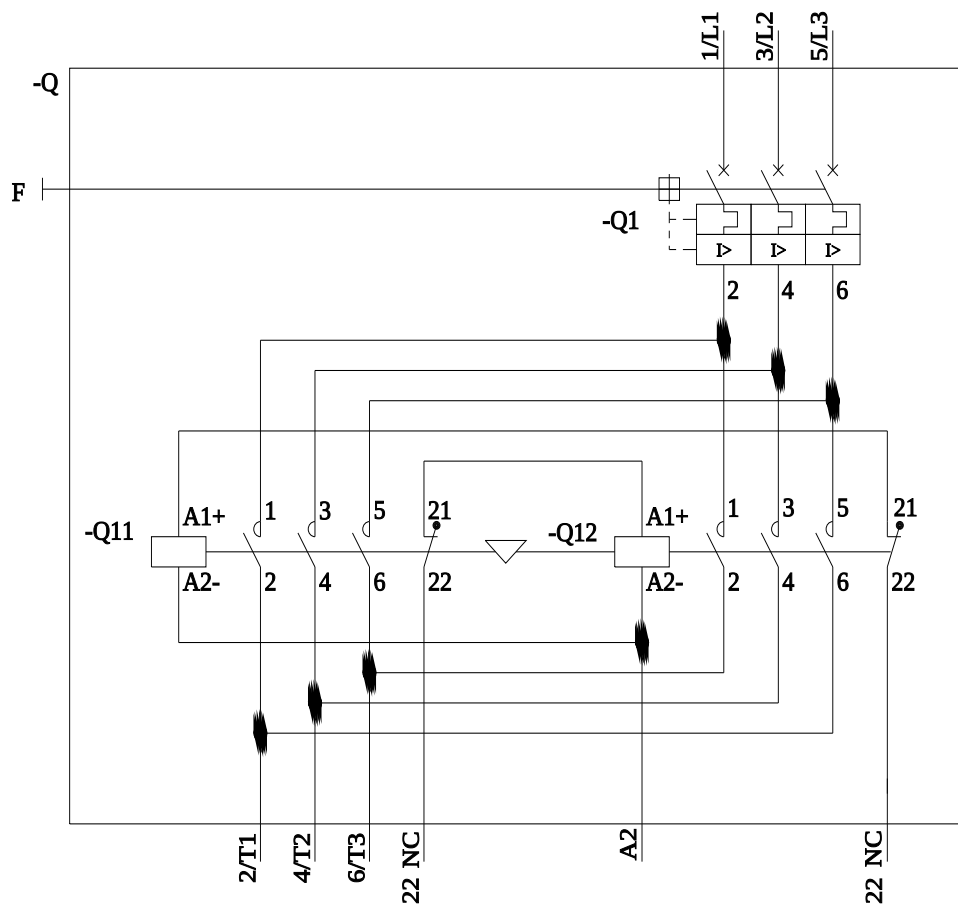
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-1EE15-2BB4&lang=en
Characteristic: Tripping characteristics, I_t, Let-through current
<https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1EE15-2BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-1EE15-2BB4&objecttype=14&gridview=view1>







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