## 3RA2210-0GD15-2AP6

**Data sheet** 



Fuseless motor starter Reversing operation 600VAC Size S00 0.45-0.63A 220/240VAC 50/60HZ screw connection For snapping onto 60 mm busbar systems Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NC (per contactor)

Description   Description	product brand name	SIRIUS
manufacturer's article number  of the supplied contactor  of the supplied contactor  of the supplied RS assembly kit  of the supplied busbar adapter  of the supplied busbar adapter  of the supplied link module  SRA2913-1DB1  of the supplied link module  SRA2913-1DB0  General technical data  size of the circuit-breaker  size of load feeder  product extension auxiliary switch  ves insulation voltage with degree of pollution 3 at AC rated value  degree of pollution  3 surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  supplied (operating cycles) of contactor typical  substance Prohibitance (Date)  Ambient conditions  ambient temperature  during operation  during storage  during transport  Ambient temperature  during transport  design of the switching contact  degistable current response value current of the current- dependent overload release  operating voltage  a rated value  a rated value  a rated value  poperation frequency rated value  operating requency rated value  operating requency rated value  operating power at AC-3  at 400 V rated value  at 400 V rated value  at 600 V rated value	product designation	non-fused motor starter 3RA2
of the supplied contactor     of the supplied circuit-breakers     of the supplied Crizuit-breakers     of the supplied Crizuit-breakers     of the supplied Dusbar adapter     of the supplied Inix module     size of the circuit-breaker     size of t	design of the product	reversing starter
of the supplied circuit-breakers of the supplied NS assembly kit of the supplied busbar adapter of the supplied busbar adapter substance Prohibitance (Bate)  size of the circuit-breaker size of load feeder product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000  type of assignment 2 Substance Prohibitance (Date)  Ambient conditions ambient temperature  of during operation of during storage of during transport  significant current circuit design of the switching contact dependent overload release operating voltage  operating voltage  at AC-3 rated value at AC-3 rated value at 400 V rated value 180 W  at 690 V  at 690 V  operating power at AC-3  at 400 V rated value 180 W  at 690 V rated value  180 W  at 690 V rated value  180 W  at 690 V rated value  180 W  at 690 V rated value  180 W  at 690 V rated value  180 W  at 690 V rated value  180 W  at 690 V rated value  180 W	manufacturer's article number	
of the supplied bushar adapter of the supplied bushar adapter of the supplied link module  SarA1921-1DA00  General technical data  size of the circuit-breaker size of the circuit-breaker size of ten circuit-breaker size of load feeder sproduct extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value 68 V shock resistance according to IEC 60068-2-27 68 / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000  type of assignment 2 Substance Prohibitance (Date) Ambient conditions  ambient temperature during storage during storage during storage during storage during transport Size of the switching contact adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value maximum operating frequency rated value operating power at AC-3 at 400 V rated value at 600 V rated value	<ul> <li>of the supplied contactor</li> </ul>	3RT2015-1AP62
of the supplied busbar adapter of the supplied link module 3RA1921-1DA00  Size of the circuit-breaker  size of the circuit-breaker  size of load feeder  So0  product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 4 6 6 6 V  shock resistance according to IEC 60068-2-27 6 g / 11 ms mechanical service life (operating cycles) of contactor typical 30 0000 000  type of assignment 2 Substance Prohibitance (Date) Ambient conditions  ambient temperature  during operation  during storage  during transport  Alian circuit  number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage  at AC-3 rated value  at AC-3 rated value  at 400 V rated value  at 400 V rated value  at 690 V  at 400 V rated value  at 400 V rated value  at 690 V rated value	<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-0GA10
of the supplied link module     SRA1921-1DA00  General technical data  size of the circuit-breaker size of the circuit-breaker size of load feeder     S00  product extension auxiliary switch yes insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Date) 03/01/2017  Ambient conditions  ambient temperature • during operation • during storage • during transport  Aduring transport  ### ABO "C  ### during transport  ### ABO "C  ### at ABO "C  ### ABO	<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2913-1DB1
size of the circuit-breaker S00 size of load feeder S00 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value 690 V degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Date) 03/01/2017 Ambient conditions ambient temperature  • during operation -20 +60 °C • during storage -50 +80 °C  • during storage -55 +80 °C  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  operating voltage  • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operating frequency rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value	<ul> <li>of the supplied busbar adapter</li> </ul>	<u>8US1251-5DS10</u>
size of the circuit-breaker \$00 size of load feeder \$00 product extension auxiliary switch Yes insulation vottage with degree of pollution 3 at AC rated value \$90 V\$ degree of pollution \$3 surge voltage resistance rated value \$6 kV\$ shock resistance according to IEC 60068-2-27 \$6g / 11 ms mechanical service life (operating cycles) of contactor typical \$000 000 type of assignment \$2 Substance Prohibitance (Date) \$0301/2017\$  Ambient conditions ambient temperature  • during operation \$-20 +60 °C\$ • during storage \$-50 +80 °C\$ • during transport \$-55 +80 °C\$  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  operating voltage  • rated value \$690 V\$  operating frequency rated value \$50 60 Hz  operating frequency rated value \$50 60 Hz  operating power at AC-3  • at 400 V rated value \$180 W\$  • at 690 V rated value	<ul> <li>of the supplied link module</li> </ul>	3RA1921-1DA00
size of load feeder S00  product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value 690 V  degree of pollution 3  surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 6g / 11 ms  mechanical service life (operating cycles) of contactor typical 30 000 000  type of assignment 2  Substance Prohibitance (Date) 03/01/2017  Ambient conditions  ambient temperature  • during operation -20 +60 °C • during storage -50 +80 °C  • during transport -55 +80 °C  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  operating voltage  • rated value  • at AC-3 rated value maximum 690 V  operating frequency rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at 500 V rated value  • at 690 V rated value	General technical data	
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during transport  -20 +60 °C • during transport  -55 +80 °C  Main circuit number of poles for main current circuit 3 design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operating frequency rated value 180 W • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • 180 W • at 690 V rated value • 180 W • at 690 V rated value • 180 W • at 690 V rated value • 180 W • at 690 V rated value • 180 W • at 690 V rated value • 180 W	size of the circuit-breaker	S00
insulation voltage with degree of pollution 3 at AC rated value  degree of pollution  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  fig. / 11 ms  mechanical service life (operating cycles) of contactor typical  type of assignment  2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  during operation during storage during transport  -20 +60 °C -50 +80 °C  during transport  -55 +80 °C  Main circuit  number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage  rated value  at AC-3 rated value operating frequency rated value operating frequency rated value at 400 V rated value at 400 V rated value at 500 V vated value at 500 V rated value at 690 V vated value	size of load feeder	S00
degree of pollution   3	product extension auxiliary switch	Yes
surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000 type of assignment 2 Substance Prohibitance (Date) 03/01/2017  Ambient conditions  ambient temperature  • during operation -20 +60 °C • during storage -50 +80 °C • during transport -55 +80 °C  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  operating voltage  • rated value 690 V operating frequency rated value 50 60 Hz operating power at AC-3 at 400 V rated value 180 W out at 500 V rated value 180 W out at 690 V vated value 250 W	insulation voltage with degree of pollution 3 at AC rated value	690 V
shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 30 000 000  type of assignment 2  Substance Prohibitance (Date) 03/01/2017  Ambient conditions  ambient temperature  • during operation -20 +60 °C • during storage -50 +80 °C • during transport -55 +80 °C  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  operating voltage  • rated value 690 V  operating frequency rated value 50 60 Hz  operating power at AC-3 at 400 V rated value 0.6 A  operating power at AC-3  • at 400 V rated value 180 W  • at 500 V rated value 180 W  • at 690 V vated value 180 W  • at 690 V rated value 180 W  • at 690 V rated value 180 W  • at 690 V rated value 180 W	degree of pollution	3
mechanical service life (operating cycles) of contactor typical type of assignment 2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature	surge voltage resistance rated value	6 kV
type of assignment 2 Substance Prohibitance (Date) 03/01/2017  Ambient conditions  ambient temperature  • during operation -20 +60 °C  • during storage -50 +80 °C  • during transport -55 +80 °C  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 operating voltage  • rated value 690 V  • at AC-3 rated value maximum 690 V  operating frequency rated value operating power at AC-3  • at 400 V rated value 180 W  • at 500 V rated value 180 W  • at 690 V rated value 180 W	shock resistance according to IEC 60068-2-27	6g / 11 ms
Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage • during transport  -20 +60 °C  • during transport  -20 +80 °C  • during transport  -55 +80 °C  Main circuit  number of poles for main current circuit  design of the switching contact adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operating power at AC-3  • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value	mechanical service life (operating cycles) of contactor typical	30 000 000
ambient temperature  • during operation • during storage • during transport  -50 +80 °C  • during transport  -55 +80 °C  Main circuit  number of poles for main current circuit  design of the switching contact adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operating power at AC-3  • at 400 V rated value • at 500 V rated value • at 690 V  • at 690 V rated value  180 W  • at 690 V rated value  180 W  • at 690 V rated value  250 W	type of assignment	2
ambient temperature  • during operation • during storage • during transport  -50 +80 °C  • during transport  -55 +80 °C  Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3  • at 400 V rated value • at 500 V rated value • at 690 V  • at 690 V  operating power at AC-3  • at 400 V rated value  180 W • at 690 V rated value	Substance Prohibitance (Date)	03/01/2017
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>-55 +80 °C</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>design of the switching contact</li> <li>electromechanical</li> <li>adjustable current response value current of the current-dependent overload release</li> </ul> operating voltage <ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>at 690 V</li> </ul>	Ambient conditions	
• during storage     • during transport     -55 +80 °C  Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  operating prequency rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  180 W  • at 690 V rated value  250 W	ambient temperature	
during transport  -55 +80 °C  Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operating at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  180 W  • at 690 V rated value  250 W	during operation	-20 +60 °C
number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  250 W	during storage	-50 +80 °C
number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  250 W	during transport	-55 +80 °C
design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V  250 W	Main circuit	
adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  250 W	number of poles for main current circuit	3
dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  250 W	design of the switching contact	electromechanical
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> <li>operational current at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>250 W</li> </ul>		0.45 0.63 A
■ at AC-3 rated value maximum     G90 V     Operating frequency rated value     Operational current at AC-3 at 400 V rated value     Operating power at AC-3     ● at 400 V rated value     ● at 500 V rated value     ● at 690 V rated value     ● at 690 V rated value     ○ at 690 V rated value	operating voltage	
operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 0.6 A  operating power at AC-3  • at 400 V rated value 180 W  • at 500 V rated value 180 W  • at 690 V rated value 250 W	rated value	690 V
operational current at AC-3 at 400 V rated value 0.6 A operating power at AC-3  • at 400 V rated value 180 W • at 500 V rated value 180 W • at 690 V rated value 250 W	at AC-3 rated value maximum	690 V
operating power at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  250 W	operating frequency rated value	50 60 Hz
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>250 W</li> </ul>	operational current at AC-3 at 400 V rated value	0.6 A
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>250 W</li> </ul>	operating power at AC-3	
at 690 V rated value     250 W	• at 400 V rated value	180 W
	• at 500 V rated value	180 W
Control circuit/ Control	at 690 V rated value	250 W
	Control circuit/ Control	

control supply voltage at AC	000.14
at 50 Hz rated value	220 V
at 50 Hz rated value	187 242 V
<ul> <li>at 60 Hz rated value</li> </ul>	240 V
at 60 Hz rated value	192 264 V
apparent holding power of magnet coil at AC	4.8 VA
inductive power factor with the holding power of the coil	0.25
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	8.19 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
at 690 V according to IEC 60947-4-1 rated value	100 000 A
at 400 V according to IEC 60947-4-1 rated value	153 000 A
at 500 V according to IEC 60947-4-1 rated value	100 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	for snapping onto 60 mm busbar systems
height	200 mm
width	90 mm
	155.1 mm
depth	100.1 111111
required spacing	
• for grounded parts	0 mm
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— at the side	9 mm
— downwards	10 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	20 mm
— downwards	10 mm
— at the side	9 mm
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts stranded	0.5 4 mm², 2x (0.75 2.5 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 mm <sup>2</sup>
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 %
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Certificates/ approvals	
	For use in hazard-

Confirmation











Test Certificates Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping

other Railway







Confirmation

Vibration and Shock

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RA2210-0GD15-2AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-0GD15-2AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0GD15-2AP6

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

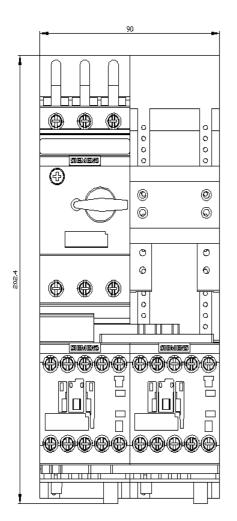
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2210-0GD15-2AP6&lang=en

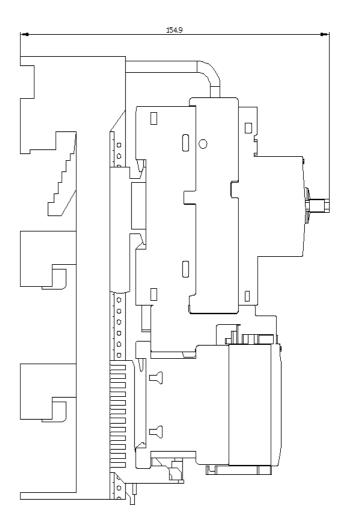
Characteristic: Tripping characteristics, I2t, Let-through current

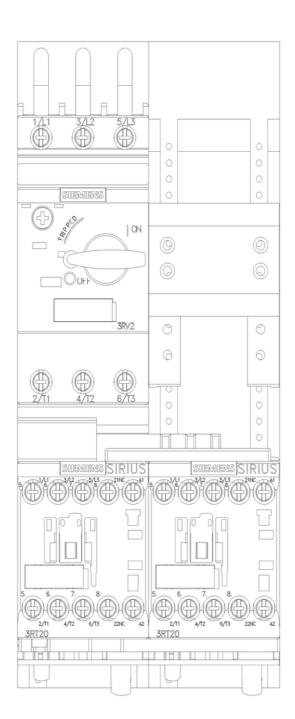
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-0GD15-2AP6/char

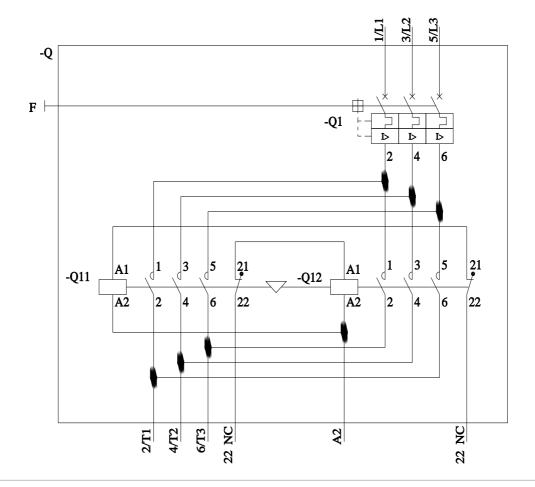
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-0GD15-2AP6&objecttype=14&gridview=view1









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