## SIEMENS

## Data sheet

## 3RA2215-0AA15-2BB4



FUSELESS MOTOR STARTER REVERSING OPERATION 600V AC SZ S00 0.11-0.16A 24V DC SCREW CONNECTION FOR SCREW MOUNTING OR 35 MM RAIL-MOUNTING TYPE OF COORDINATION 2 IQ = 150 KA ALSO FULFILLS TYPE OF COORDINATION 1 1NO+1NC (MSP) 1NC (PER CONTACTOR)

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 6008-2-27     6g / 11 ms       mechanical service life (operating cycles) of contactor typical     30 000 000       type of assignment     2       vnblent temperature     -       • during storage     -50 +60 °C       • during storage     -50 +80 °C       • during storage     -50 +80 °C       • during transport     -       • dating operation     -       • during transport     -       • during transport     -       • during transport     -       • adued eveload release     0.11 0.16 A       operating voltage     -       • at do Value     50 60 Hz       operating prover at AC-3     -       • at 400 V rated value     0.		
design of the product         reversing starter           manufacture's article number         BRT2015-18842           • of the suppled contactor         BRT2011-0AA15           • of the suppled circuit-breakers         BRV2011-0AA15           • of the suppled circuit-breaker         S00           • of the circuit-breaker         S00           size of the circuit-breaker         S00           size of the circuit-breaker         S00           insulation voltage with degree of pollution 3 at AC rated value         690 V           degree of pollution         S A           surge voltage resistance rated value         68/V           shock resistance according to IEC 60068-2-27         69 / 11 ms           mechanical service life (operating cycles) of contactor typical         30000 000           type of assignment         2           • during storage         -60 · 160 · 16C           • during storage         -60 · 160 · 16C           • during storage         -60 · 160 · 16C           • during storage         -60 · 10 · 10 · 16A           operating routent response value current of the current.         600 · 10 · 10 · 10 · 10 · 10 · 10 · 10 ·	product brand name	SIRIUS
manufacturer's article number     SRT2015-18842       • of the supplied contactor     SRT2011-0AA15       • of the supplied circuit-breakers     SRV2011-0AA15       • of the supplied circuit-breakers     SRV2011-0AA15       • size of the circuit-breaker     SRV2011-0AA15       • surge voltage resistance according to IEC 60068-2-27     6g /11 ms       mechanical service life (operating cycles) of contactor typical     30 000 00       type of assignment     2       • during peration     -20 +60 °C       • during storage     -50 +80 °C       • during storage     -50 +80 °C       • during transport     3       • during transport     3       • data of the switching contact     electromechanical       adjustabe current response v	product designation	non-fused motor starter 3RA2
• of the supplied contactorSRT2015-18842• of the supplied circuit-breakers3RA1921-10A00• of the supplied circuit-breakerS00size of the circuit-breakerS00size of the circuit-breakerS00insulation voltage with degree of pollution 3 at AC rated value690 Vdegree of pollution3surge voltage resistance rated value690 Vdegree of pollution3 000 000stock resistance according to IEC 60068-2-276g /11 msmechanical service life (operating cycles) of contactor typical30 000 000type of asignment2 0	design of the product	reversing starter
• of the supplied inc module3RV2011.0AA15 3RA1921.1DA00Some of the supplied ink module3RA1921.1DA00Some of technical data500size of the circuit-breaker500size of the circuit-breaker500product extension auxiliary switchYesinsulation voltage with degree of pollution 3 at AC rated value690 Vdegree of pollution3surge voltage resistance rated value690 Vdegree of pollution3surge voltage resistance rated value690 Vshock resistance according to EIC 60068-2-276g /11 msmechanical service life (operating cycles) of contactor typical30 000 000type of assignment2voltation surge-50 +60 °C- during transport-20 +60 °C- during transport-55 +80 °CAtain circuit3number of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release001 0.16 Aoperating yovidage50 60 Hzoperating power at AC-360 Wat 400 V rated value50 60 Hzoperating power at AC-340 Wat 600 V rated value40 Wat 600 V rated value60 Wat 600 V rated value <td>manufacturer's article number</td> <td></td>	manufacturer's article number	
• of the suppled link module3R211921-1DA00Someal technical datasize of the circuit-breakerS00size of the dederS00product extension auxiliary switchYesinsulation voltage with degree of pollution3 asurge voltage resistance rated value6 kVshock resistance rated value6 kVshock resistance rated value6 kVshock resistance rated value3 0000 000wethanical service life (operating cycles) of contactor typical30 000 000type of assignment2- during operation-20 +60 °C- during storage-56 +80 °C- during storage-56 +80 °C- during storage-10 +60 °C- during storage-10 +60 °C- during storage-10 +60 °C- during storage-56 +80 °C- during storage-10 +60 °C- during storage-56 +80 °C- during storage-50 +60 °C- during storage-10 +60 °C- during storage-10 +60 °C- during storage-50 +60 °C- during storage-50 +60 °C- during storage-50 +60 °C- during storage <td><ul> <li>of the supplied contactor</li> </ul></td> <td><u>3RT2015-1BB42</u></td>	<ul> <li>of the supplied contactor</li> </ul>	<u>3RT2015-1BB42</u>
Seneral technical data           size of the circuit-breaker         S00           size of load feeder         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         64V           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           voltablent conditions         -20 +60 °C           - during operation         -20 +60 °C           - during storage         -50 +80 °C           - during storage         -50 +80 °C           - during storage         -50 +80 °C           - during transport         -3           design of the switching contact         electromechanical           dujustable current circuit         3           design of the switching contact         electromechanical           operating voltage         -011 0.16 A           operating requency rated value         690 V           - atad value         690 V <tr< th=""><td><ul> <li>of the supplied circuit-breakers</li> </ul></td><td><u>3RV2011-0AA15</u></td></tr<>	<ul> <li>of the supplied circuit-breakers</li> </ul>	<u>3RV2011-0AA15</u>
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 6008-2-27     6g / 11 ms       mechanical service life (operating cycles) of contactor typical     30 000 000       type of assignment     2       vnblent temperature     -       • during storage     -50 +60 °C       • during storage     -50 +80 °C       • during storage     -50 +80 °C       • during transport     -       • dating operation     -       • during transport     -       • during transport     -       • during transport     -       • adued eveload release     0.11 0.16 A       operating voltage     -       • at do Value     50 60 Hz       operating prover at AC-3     -       • at 400 V rated value     0.	<ul> <li>of the supplied link module</li> </ul>	<u>3RA1921-1DA00</u>
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 a           which temperature         -           • during operation         -20+60 °C           • during transport         -55+80 °C           • during transport         -55+80 °C           • during transport         -61	General technical data	
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         6k 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           ambient temperature         -           • during operation         -20 +60 °C           • during transport         -50 +80 °C           - during transport         -50 +80 °C           Abient conditions         -           adjustable current response value current of the current-         690 V           adjustable current response value current of the current-         0.11 0.16 A           operating requency rated value         690 V           • at AC-3 rated value maximum         690 V           operating power at AC-3         40 V rated value           • at 400 V rated value         40 W           • at 400 V rated value         40 W           • at 400 V rated value         40 W           • at 600 V rated value         40 W           • at 600 V rated value         60 W	size of the circuit-breaker	S00
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           vnbient conditions         2           ambient temperature         -20 +60 °C           • during storage         -50 +60 °C           • during transport         -20 +60 °C           • during transport         -55 +80 °C           design of the switching contact	size of load feeder	S00
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           Aublent conditions         2           ambient temperature         -           • during operation         -20 +60 °C           • during storage         -550 +80 °C           • during transport         -550 + 80 °C           Addit circuit         3           number of poles for main current circuit         3           design of the switching contact         electromechanical           design of the switching contact         electromechanical           operating voltage         -           • rated value         690 V           • at AC-3 rated value maximum         690 V           operating frequency rated value         50 60 Hz           operating current at AC-3 at 400 V rated value         40 W           • at 600 V rated value         40 W           • at 600 V rated value         600 V           • at 600 V rated value         40 W           • at 600 V rated value         60 W           <	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 IIfe (operating cycles) of contactor typical 30 000 000 type of assignment 2 ambient conditions ambient conditions ambient emperature	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           ambient conditions         2           ambient temperature         -20 +60 °C           • during operation         -20 +60 °C           • during transport         -55 +80 °C           • during transport         -55 +80 °C           • during transport         3           design of the switching contact         electromechanical           adjustable current response value current of the current-         0.11 0.16 A           operating requency rated value         690 V           operating frequency rated value         50 60 Hz           operating frequency rated value         50 60 Hz           operating trade value         40 W           • at 400 V rated value         40 W           • at 60 V rated value         60 W           • at 60 V rated value         60 W           • at 60 V rated value         60 W	degree of pollution	3
mechanical service life (operating cycles) of contactor typical         30 000 000           type of assignment         2           Anbient conditions	surge voltage resistance rated value	6 kV
type of assignment         2           Ambient conditions         2           ambient conditions         2           ambient temperature         -20 +60 °C           • during operation         -20 +80 °C           • during storage         -55 +80 °C           • during transport         -55 +80 °C           Ain circuit         3           design of the switching contact         electromechanical           adjustable current response value current of the current- dependent overload release         0.11 0.16 A           operating voltage         690 V           • at AC-3 rated value         690 V           • at AC-3 rated value         0.16 A           operating frequency rated value         0.16 A           operating word rat AC-3         40 W           • at 400 V rated value         0.16 A           operating requency rated value         600 V           • at 400 V rated value         0.16 A           operating voltage         600 V           • at 400 V rated value         0.010           • at 600 V rated value         60 W           • at 600 V rated value         60 W           • at 600 V rated value         60 W           • at 600 V rated value         60 W <td>shock resistance according to IEC 60068-2-27</td> <td>6g / 11 ms</td>	shock resistance according to IEC 60068-2-27	6g / 11 ms
Ambient conditions         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       3         design of the switching contact       electromechanical         adjustable current response value current of the current- dependent overload release       011 0.16 A         operating voltage       690 V         • at AC-3 rated value       690 V         • at AC-3 rated value       50 60 Hz         operating power at AC-3       016 A         operating power at AC-3 at 400 V rated value       40 W         • at 400 V rated value       600 W         • at 600 V rated value       600 W         • at 400 V rated value       60 W         • at 400 V rated value       60 W         • at 400 V rated value       60 W         • at 600 V rated value       60 W         • at 600 V rated valu	mechanical service life (operating cycles) of contactor typical	30 000 000
ambient temperature       -20 +60 °C         • during storage       -50 +80 °C         • during transport       -55 +80 °C         Main circuit       3         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       0.11 0.16 A         operating voltage       690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating power at AC-3       40 W         • at 400 V rated value       40 W         • at 400 V rated value       60 W	type of assignment	2
• during operation-20 +60 °C• during storage-50 +80 °C• during transport-55 +80 °CAtain circuit3number of poles for main current circuit3design of the switching contactelectromechanicaladjustable current response value current of the current- dependent overload release0.11 0.16 Aoperating voltage690 V• rated value690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperating power at AC-30.16 Aoperating power at AC-3400 W• at 400 V rated value40 W• at 600 V rated value600 W• at 400 V rated value600 W• at 600 V rated v	Ambient conditions	
• during storage       -50 + 80 °C         • during transport       -55 + 80 °C <b>tain circuit</b> 3 <b>design of the switching contact</b> electromechanical         adjustable current response value current of the current- dependent overload release       0.11 0.16 A         operating voltage       690 V         • rated value       690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating power at AC-3       0.16 A         operating p	ambient temperature	
• during transport       -55 +80 °C         Main circuit       3         funder of poles for main current circuit       3         design of the switching contact       electromechanical         adjustable current response value current of the current- dependent overload release       0.11 0.16 A         operating voltage       0.11 0.16 A         • rated value       690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating power at AC-3       0.16 A         operating power at AC-3       40 W         • at 400 V rated value       40 W         • at 500 V rated value       600 W         • at 600 V rated value       60 W         • at 600 V rated value       60 W	<ul> <li>during operation</li> </ul>	-20 +60 °C
Main circuit       3         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       0.11 0.16 A         operating voltage       690 V         • rated value       690 V         • at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating power at AC-3 at 400 V rated value       0.16 A         operating power at AC-3       40 W         • at 400 V rated value       40 W         • at 600 V rated value       60 W         Control supply voltage at DC       60 W         • rated value       62 V	during storage	-50 +80 °C
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         0.11 0.16 A           operating voltage         •           • rated value         690 V           • at AC-3 rated value maximum         690 V           operating frequency rated value         50 60 Hz           operating power at AC-3         0.16 A           • at 400 V rated value         0.16 A           operating power at AC-3         •           • at 400 V rated value         60 W           • at 600 V rated value         0.16 A           operating power at AC-3         •           • at 600 V rated value         60 W	<ul> <li>during transport</li> </ul>	-55 +80 °C
design of the switching contact         electromechanical           adjustable current response value current of the current- dependent overload release         0.11 0.16 A           operating voltage         0.11 0.16 A           • rated value         690 V           • at AC-3 rated value maximum         690 V           operating frequency rated value         690 V           operating frequency rated value         50 60 Hz           operating power at AC-3         0.16 A           operating power at AC-3         40 W           • at 400 V rated value         40 W           • at 500 V rated value         60 W           • at 690 V rated value         60 W           • at 600 V rated value         60 W           • at 600 V rated value         60 W           • at 690 V rated value         60 W	Main circuit	
adjustable current response value current of the current- dependent overload release0.11 0.16 Aoperating voltage • rated value690 V• at AC-3 rated value maximum690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperating power at AC-3 • at 400 V rated value0.16 Aoperating power at AC-3400 W• at 400 V rated value40 W• at 600 V rated value600 W	number of poles for main current circuit	3
dependent overload release         Image: control supply voltage           operating voltage         690 V           • rated value         690 V           • at AC-3 rated value maximum         690 V           operating frequency rated value         690 V           operating frequency rated value         50 60 Hz           operating power at AC-3 at 400 V rated value         0.16 A           operating power at AC-3         40 W           • at 400 V rated value         40 W           • at 500 V rated value         60 W           • at 690 V rated value         60 W	design of the switching contact	electromechanical
• rated value690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current at AC-3 at 400 V rated value0.16 Aoperating power at AC-340 W• at 400 V rated value40 W• at 500 V rated value60 W• at 690 V rated value60 W• at 690 V rated value60 W• at 690 V rated value24 V		0.11 0.16 A
• at AC-3 rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating power at AC-3 at 400 V rated value       0.16 A         operating power at AC-3       40 W         • at 400 V rated value       40 W         • at 500 V rated value       60 W         • at 690 V rated value       60 W         • at 690 V rated value       60 W	operating voltage	
operating frequency rated value       50 60 Hz         operational current at AC-3 at 400 V rated value       0.16 A         operating power at AC-3       -         • at 400 V rated value       40 W         • at 500 V rated value       40 W         • at 690 V rated value       60 W         • at 690 V rated value       60 W         • at 690 V rated value       24 V	rated value	690 V
operational current at AC-3 at 400 V rated value       0.16 A         operating power at AC-3       40 W         • at 400 V rated value       40 W         • at 500 V rated value       40 W         • at 690 V rated value       60 W         Control circuit/ Control       60 W         Control supply voltage at DC       24 V	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operating power at AC-3     40 W       • at 400 V rated value     40 W       • at 500 V rated value     40 W       • at 690 V rated value     60 W	operating frequency rated value	50 60 Hz
	operational current at AC-3 at 400 V rated value	0.16 A
• at 500 V rated value     40 W       • at 690 V rated value     60 W       Control circuit/ Control     60 W       • rated value     24 V	operating power at AC-3	
• at 690 V rated value     60 W       Control circuit/ Control     60 W       control supply voltage at DC     24 V	• at 400 V rated value	40 W
Control circuit/ Control control supply voltage at DC o rated value 24 V	• at 500 V rated value	40 W
control supply voltage at DC     24 V	at 690 V rated value	60 W
rated value 24 V	Control circuit/ Control	
	control supply voltage at DC	
holding power of magnet coil at DC 4 W	rated value	24 V
	holding power of magnet coil at DC	4 W

Auxiliary circuit				
number of NC contacts for auxiliary contacts	2			
number of NO 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	2.08 A			
hort-circuit protection	X			
product function short circuit protection	Yes			
design of the short-circuit trip	magnetic			
conditional short-circuit current (Iq)	400.000 A			
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			
nstallation/ mounting/ dimensions	working			
mounting position	vertical			
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug			
height	170 mm			
width	90 mm			
depth required spacing	97.1 mm			
for grounded parts				
<ul> <li>for grounded parts</li> <li>forwards</li> </ul>	0 mm			
— torwards — backwards				
— upwards	0 mm 20 mm			
— upwards — at the side	20 mm 9 mm			
— downwards	10 mm			
for live parts	10 1111			
— 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 mm <sup>2</sup> , 2x (0.75 2.5 mm <sup>2</sup> )			
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 2.5 mm²			
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				
General Product Approval	For use in hazard- ous locations Declaration of Conformity			
	L KEX LK CE CG-Konf.			
Test Certificates Marine / Shipp	ping			
Type Test Certific- ates/Test Report     Special Test Certific- ate       ABS	BUREAU VERITAS			

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Marine / Shipping			other	Railway	Dangerous Good		
RINA		DNV-GL EWISLEDBO	<u>Confirmation</u>	Vibration and Shock	Transport Information		
Further information Siemens has decided to		( /					
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 pack https://support.industry.sig	aging emens.com/cs/ww/en/vi	<u>ew/109813875</u>					

https://www.siemens.com/ic10

Cax online generator

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2215-0AA15-2BB4

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2215-0AA15-2BB4&lang=en

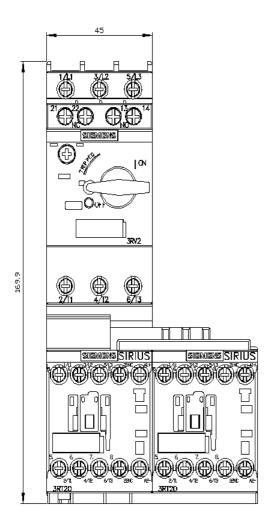
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0AA15-2BB4

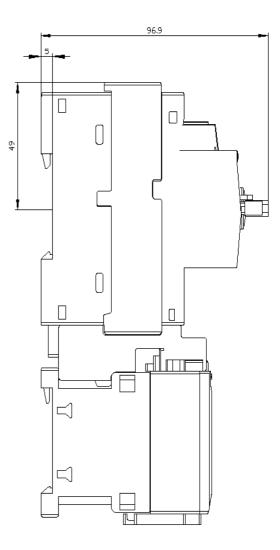
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0AA15-2BB4/char

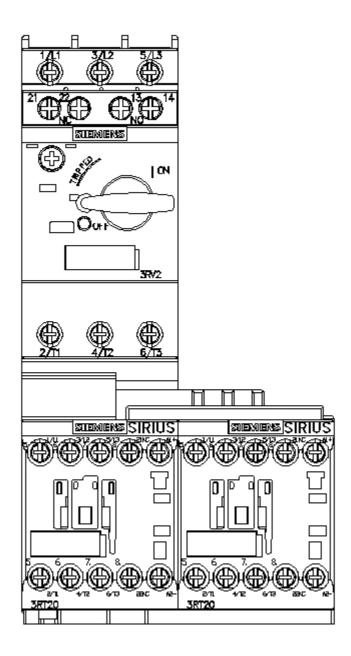
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-0AA15-2BB4

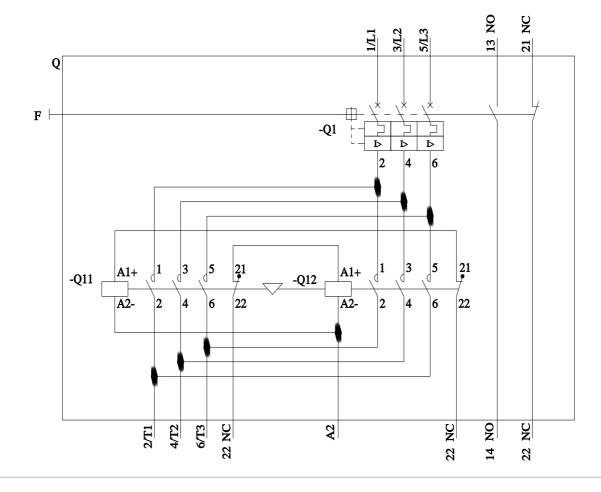
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-0AA15-2BB4&objecttype=14&gridview=view1









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12/15/2020 🖸