SIEMENS

Data sheet

3RA2210-1HS15-2BB4



Load feeder fuseless, Reversing duty 400 V AC, Size S00 5.50...8.00 A 24 V DC Spring-type terminal for 60 mm busbar systems Type of coordination 1, lq = 150 kA 1 NC (contactor) Adapter length 200 mm

product brand name	SIRIUS
product designation	Reversing starter
design of the product	for 60 mm busbars
product type designation	3RA22
manufacturer's article number	
 of the supplied contactor 	3RT2015-2BB42
 of the supplied circuit-breakers 	3RV2011-1HA20
 of the supplied RS assembly kit 	8US1250-5AS10
 of the supplied busbar adapter 	<u>8US1251-5DS11</u>
 of the supplied link module 	3RA2911-2AA00
 of the supplied wiring kit 	3RA2913-2AA2
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
power loss [W] for rated value of the current	
 at AC in hot operating state per pole 	3.3 W
without load current share typical	4 W
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 (operating cycles) of contactor typical	30 000 000
type of assignment	1
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	1.944 kg
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	5.5 8 A
operating voltage	

* rated value maximum * at AC-3 mind value * operational current * at AC-3 mind value * at		
### ARC-9 and AR	• rated value	
Operating frequency rated value	 at AC-3 rated value maximum 	690 V
a AC 3 400 x rate value 7 A	at AC-3e rated value maximum	690 V
* at AC-3 at 400 V rated value 7 A	operating frequency rated value	50 60 Hz
e. at AC-3e at 400 V rated value	operational current	
Operating power	• at AC-3 at 400 V rated value	7 A
	• at AC-3e at 400 V rated value	7 A
	operating power	
at AC-3e		
at AC-3e		3 000 W
Control circuit/ Control Type of voltage of the control supply voltage Control supply voltage at DC 4W		3 000 W
type of voltage of the control supply voltage		3 000 **
eentrol supply voltage at DC rated value 4 W holding power of magnet coil at DC 4 W Xusiliary circuit product oxtension auxiliary switch Yes Protective and monitoring functions trip class design of the overload release response value current of Instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4.8 A • at 500 V rated value 5.1 A yielded mechanical performance (hp) • for single-phase AC motor — at 1011/20 V rated value 0.25 hp — at 230 V rated value 0.75 hp • for 3-phase AC motor — at 200/20 V vated value 1.5 hp — at 2200/20 V rated value 2. hp — at 480480 V rated value 3. hp — at 575/600 V rated value 5. hp — at 480480 V rated value 5. hp — at 575/600 V rated value 5. hp — at 480480 V rated value 15. hp — at 480480 V rated value 15. hp — at 480780 V rated value 15. hp — at 480780 V rated value 15. hp — at 480780 V rated value 15. hp short-circuit protoction product function short circuit protection Yes design of the short-circuit current (fu) 10 magnetic conditional short-circuit current (value 150 0000 A) Installation/ mounting/ dimensions mounting position vertical fastening method for snapping onto 60 mm busbar systems height 200 mm width 90 mm depth required spacing • for grounded parts — forwards 32 mm — bockwards 0 mm — the side 10 mm — otowards 32 mm — bockwards 0 mm — powerds — forwards 32 mm — bockwards 0 mm — otowards 0 mm		DC .
holding power of magnet coil at DC Austinary stream product extension auxiliary switch Yes Protective and monitoring functions trip class design of the overload release response value current of Instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • of 161 A yielded mechanical performance (hp) • for single-phase AC motor — at 110/120 V rated value • of 3-3 phase AC motor — at 200 V rated value • at 2200 V rated value • at 2200 V rated value • at 220230 V rated value • at 275-8600 V rated value • at 275-8600 V rated value • at 400 V according to IEC 60847-4-1 rated value • at 400 V according to IEC 60847-4-1 rated value • at 400 V according to IEC 60847-4-1 rated value • at 400 V according to IEC 60847-4-1 rated value • of magnetic conducting dimensions mounting position fastening method height • for grounded parts • for wards • parts at the side • for live parts • for wards • parts at the side • for live parts • for wards • parts at the side • for live parts • for wards • parts at the side • for live parts •		
product extension auxiliary switch product extension auxiliary switch product extension auxiliary switch protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit ULCSS 10 4 8 A 4 8 A 4 8 A 4 8 A 4 8 A 4 8 A 4 8 A 4 8 A 4 8 A 4 8 A 5 1 A yielded mechanical performance (lip) • for single-phase AC motor — at 1101/20 V rated value • for 3-phase AC motor — at 230 V rated value • or 3-phase AC motor — at 200/280 V rated value • at 600 V rated value • at 500 V rated value • by a could be compared to the compa		
product extension auxiliary switch Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit UUCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 110/120 V rated value • at 230 V rated value • at 200/238 V rated value • at 200/238 V rated value • at 200/230 V rated value • at 200/230 V rated value • at 460/480 V rated value short-circuit protection product function short circuit protection gesign of the short-circuit current (g) • at 400 V according to IEC 60947-4-1 rated value fastantion mounting dimensions mounting position vertical fastening method for snapping onto 60 mm busbar systems height required spacing • for grounded parts - forwards - backwards 0 mm - the side 10 mm • for live parts - forwards - 52 mm - backwards - Unwards - 50 mm - at the side - downwards - Unwards - 50 mm - at the side - Onm - beckwards - Unwards - 50 mm - beckwards - Unwards - 50 mm - at the side - Onm - beckwards - Unwards - 50 mm - beckwards - Un mm - on the side - On mm - beckwards - Un mm - on the side - On mm - beckwards - Un mm - on the side - On mm - beckwards - Un mm - on the side - On mm - beckwards - Un mm - on the side - On mm - beckwards - Un mm - on the side - On mm - beckwards - Un mm - on the side - On mm - on the s		4 VV
trip class CLASS 10 design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4.8 A • at 480 V rated value 6.1 A yieldod mechanical performance (hp) • for single-phase AC motor — at 1010/20 V rated value 0.25 hp — at 230 V rated value 0.75 hp • for 3-phase AC motor — at 200/208 V rated value 2.5 hp — at 200/208 V rated value 2.5 hp — at 200/208 V rated value 3.5 hp — at 200/208 V rated value 5.5 hp Short-circuit protection 7.5 hp design of the short-circuit current (rig) 7.5 hp • at 400 V according to EC 60947-4-1 rated value 150 000 A Installation/ mounting dimensions mounting position 90 mm depth 155 mm required spacing • for grounded parts — (owards 0.25 mm - at the side 10 mm — at the side 10 mm — beckwards 0 mm — at the side 10 mm — beckwards 0 mm — at the side 10 mm — beckwards 0 mm — beckwards 0 mm — beckwards 0 mm — beckwards 0 mm — at the side 10 mm — beckwards 0 mm — beckwards 10 mm — beckwards 10 mm — at the side 10 mm — beckwards 10 mm —		
trip class CLASS 10	-	Yes
design of the overload release response value current of instantaneous short-circuit trip unit VUCSA ratios full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 710 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value • at 220 V rated value • at 450 M80 V rated value • at 75 F600 V rated value • at 80 V rated value • 3 hp Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (q) • at 400 V according to IEC 60947-4-1 rated value Installation mounting/ dimensions mounting position fastening method for snapping onto 60 mm busbar systems height vertical fastening method for snapping onto 60 mm busbar systems height po mm doth dopth required spacing • for grounded parts - forwards - backwards 0 mm - upwards - downwards 10 mm • for live parts - forwards - downwards - upwards - backwards 0 mm - upwards - forwards - backwards 0 mm - upwards - backwards 0 mm - upwards - forwards - upwards - downwards - upwards -		
response value current of instantaneous short-circuit trip unit UUCSA ratings full-load current (FLA) for 3-phase AC motor	•	
full-load current (FLA) for 3-phase AC motor 4.8 A • at 860 V rated value 6.1 A yielded mechanical performance [hp] 6.1 A • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value 0.25 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 1.5 hp - at 400/209 V rated value 2 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit trip magnetic conditional short-circuit current (rg) 150 000 A • at 400 V according to IEC 60947-4-1 rated value 150 000 A installation/mounting/dimensions vertical mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded	design of the overload release	thermal (bimetallic)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4.8 A • at 800 V rated value 6.1 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.25 hp — at 230 V rated value 0.76 hp • for 3-phase AC motor — at 200/208 V rated value 2 hp — at 200/208 V rated value 2 hp — at 480/480 V rated value 3 hp — at 480/480 V rated value 3 hp — at 575/600 V rated value 3 hp — at 575/600 V rated value 3 hp — at 50 wrated value 3 hp — at 50 wrated value 5 hp Short-circuit protection Yes dosign of the short-circuit current (n) • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation mounting felimensions mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 185 mm required spacing • for grounded parts — forwards 32 mm — backwards 0 mm — at the side 10 mm — downwards 10 mm • for live parts — forwards 32 mm — backwards 0 mm — at the side 10 mm	response value current of instantaneous short-circuit trip unit	104 A
• at 480 V rated value	UL/CSA ratings	
• at 600 V rated value 50	full-load current (FLA) for 3-phase AC motor	
vielded mechanical performance [hp] • for single-phase AC motor	• at 480 V rated value	4.8 A
• for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — by short-circuit protection Product function short circuit protection Product function short circuit protection Product function short circuit trip magnetic conditional short-circuit current (tq) • at 400 V according to IEC 60947-4-1 rated value 150 000 A	• at 600 V rated value	6.1 A
	yielded mechanical performance [hp]	
− at 230 V rated value	for single-phase AC motor	
• for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — 5 hp Short-circuit protection product function short circuit protection design of the short-circuit trip — at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position fastening method for snapping onto 60 mm busbar systems height — 230 mm width — 90 mm depth — 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — 50 mm • for live parts — forwards — backwards — backwards — 0 mm • for live parts — forwards — backwards — backwards — 0 mm • for live parts — forwards — 50 mm — downwards — 10 mm • for live parts — forwards — backwards — 0 mm — upwards — 50 mm — downwards — 10 mm • for live parts — forwards — 50 mm — downwards — 10 mm — downwards — 10 mm — forwards — backwards — 0 mm — upwards — 50 mm — downwards — 10 mm — forwards — 10 mm — forwards — 50 mm — downwards — 10 mm — forwards — downwards — 10 mm — downwards — 10 mm — at the side — downwards — 10 mm	— at 110/120 V rated value	0.25 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 460/480 V rated value — at 575/600 V rated value — 5 hp Short-circuit protection product function short circuit protection design of the short-circuit trip — at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position fastening method for snapping onto 60 mm busbar systems height — 230 mm width — 90 mm depth — 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — 50 mm • for live parts — forwards — backwards — backwards — 0 mm • for live parts — forwards — backwards — backwards — 0 mm • for live parts — forwards — 50 mm — downwards — 10 mm • for live parts — forwards — backwards — 0 mm — upwards — 50 mm — downwards — 10 mm • for live parts — forwards — 50 mm — downwards — 10 mm — downwards — 10 mm — forwards — backwards — 0 mm — upwards — 50 mm — downwards — 10 mm — forwards — 10 mm — forwards — 50 mm — downwards — 10 mm — forwards — downwards — 10 mm — downwards — 10 mm — at the side — downwards — 10 mm	— at 230 V rated value	0.75 hp
- at 220/208 V rated value	• for 3-phase AC motor	·
— at 220/230 V rated value 2 hp — at 460/480 V rated value 3 hp — at 575/600 V rated value 5 hp Short-circuit protection product function short circuit trip to design of the short-circuit trip conditional short-circuit current (Iq) magnetic conditional short-circuit current (Iq) to 000 A • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded parts 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm — backwards 0 mm — backwards 0 mm — at the side 10 mm — downwards 10 mm — at the side 10 mm — at	•	1.5 hp
- at 460/480 V rated value 5 hp Short-circuit protection product function short circuit protection		
Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — to mm • for live parts — forwards — backwards — upwards — backwards — to mm • for live parts — forwards — backwards — backwards — upwards — downwards — to mm — upwards — forwards — downwards — to mm — downwards — backwards — forwards — backwards — forwards — downwards — to mm — upwards — downwards — to the side — downwards — downwards — downwards — downwards — to the side — downwards — downwards — downwards — downwards — to the side		
Short-circuit protection Yes		
product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — forwards — forwards — forwards — of own ards • for live parts — forwards — backwards — backwards — omm • for live parts — forwards — upwards — downwards — at the side 10 mm		о пр
design of the short-circuit trip magnetic conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — om m • for live parts — forwards — backwards — backwards — om m • for live parts — forwards — backwards — backwards — backwards — om m • for live parts — forwards — backwards — backwards — om m - at the side — downwards — backwards — om m - downwards — at the side 10 mm		Voc
conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — odwnwards — odwnwards — of mm • for live parts — forwards — backwards — backwards — odwnwards — the side — downwards — the side — downwards — backwards — backwards — forwards — forwards — backwards — the side 10 mm — downwards — the side 10 mm — at the side 10 mm	·	
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 165 mm required spacing • for grounded parts — forwards 32 mm — backwards 0 mm — at the side 10 mm • for live parts — forwards 32 mm • of or live parts — downwards 32 mm • for live parts — downwards 50 mm — upwards 50 mm - at the side 10 mm • for live parts — forwards 32 mm — backwards 0 mm • according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions vertical for snapping onto 60 mm busbar systems 90 mm 105 mm 105 mm 105 mm 105 mm 107 mm 108 mm 109 mm 109 mm 109 mm 109 mm 109 mm 109 mm	·	magnetic
mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing • for grounded parts — forwards 32 mm — backwards 0 mm — at the side 10 mm • for live parts — forwards 32 mm • oom materials and materi	· ·	450 000 4
mounting position vertical fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing For grounded parts — for grounded parts 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — for live parts 32 mm — backwards 0 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — downwards 10 mm — at the side 10 mm		150 000 A
fastening method for snapping onto 60 mm busbar systems height 230 mm width 90 mm depth 155 mm required spacing For grounded parts — for grounded parts 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm ● for live parts 32 mm — backwards 0 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 10 mm		
height 230 mm width 90 mm depth 155 mm required spacing 155 mm ● for grounded parts 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — downwards 10 mm — at the side 10 mm		
width 90 mm depth 155 mm required spacing ● for grounded parts 32 mm — forwards 0 mm — backwards 0 mm — at the side 10 mm — downwards 10 mm — backwards 0 mm — upwards 50 mm — downwards 50 mm — downwards 10 mm — at the side 10 mm		
depth 155 mm required spacing ● for grounded parts 32 mm — forwards 0 mm — backwards 50 mm — at the side 10 mm — downwards 10 mm — backwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm		
required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — upwards — the side — th	width	90 mm
 for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — upwards — upwards — downwards — the side — the side 	depth	155 mm
— forwards 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm • for live parts 32 mm — forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	required spacing	
— backwards 0 mm — upwards 50 mm — at the side 10 mm — downwards 10 mm • for live parts 32 mm — forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	 for grounded parts 	
— upwards 50 mm — at the side 10 mm — downwards 10 mm • for live parts - forwards — forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	— forwards	32 mm
— at the side 10 mm — downwards 10 mm ● for live parts — forwards — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	— backwards	0 mm
— downwards 10 mm ● for live parts 32 mm — forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	— upwards	50 mm
● for live parts — forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	— at the side	10 mm
● for live parts — forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	— downwards	10 mm
— forwards 32 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	• for live parts	
— backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm	•	32 mm
— upwards 50 mm — downwards 10 mm — at the side 10 mm		
— downwards 10 mm — at the side 10 mm		
— at the side 10 mm	·	
- Connections/ Terminals		10 11111
	Connections/ Terminals	

type of electrical connection	
 for main current circuit 	spring-loaded terminals
 for auxiliary and control circuit 	spring-loaded terminals
Safety related data	
product function suitable for safety function	Yes
Electrical Safety	
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 	No
PROFIsafe protocol	No
protocol is supported AS-Interface protocol	No
Approvals Certificates	

General Product Approval

For use in hazardous locations





Confirmation







Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping

other Dangerous goods Environment







Confirmation

Transport Information

Environmental Confirmations

Further information

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=3RA2210-1HS15-2BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1HS15-2BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1HS15-2BB4

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

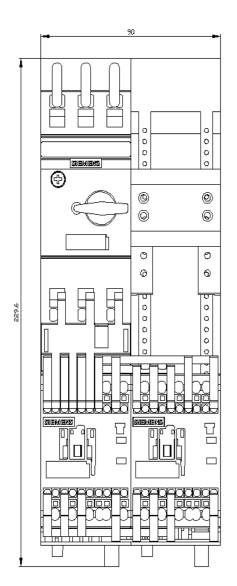
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-1HS15-2BB4\&lang=enderset.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-1HS15-2BB4\&lang=enderset.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx.com/bilddb/cax_de$

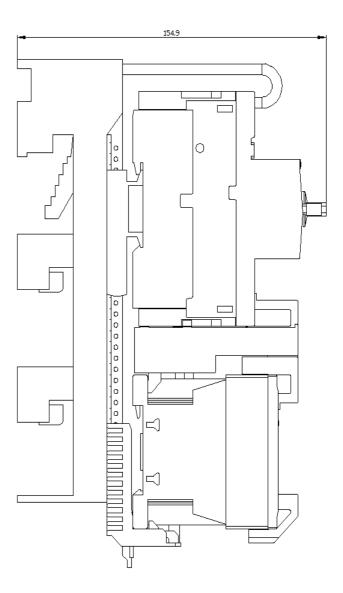
Characteristic: Tripping characteristics, I²t, Let-through current

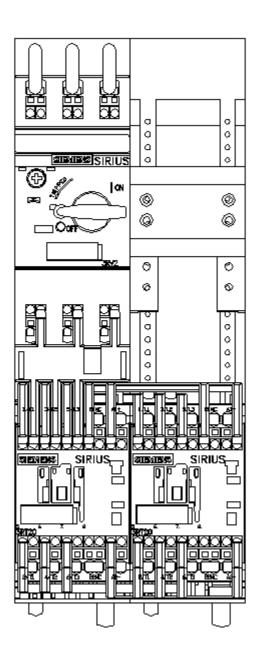
https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1HS15-2BB4/char

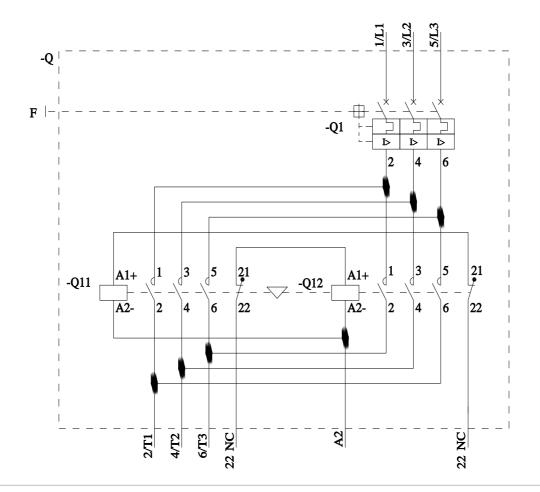
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-1HS15-2BB4&objecttype=14&gridview=view1









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