SIEMENS

Data sheet

3RA2110-1GA15-1BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 4.50...6.30 A 24 V DC screw terminal for installation on standard mounting rail Type of coordination 1, Iq = 150 kA 1 NO (contactor)

product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for DIN-rail or screw mounting
product type designation	3RA21
manufacturer's article number	
of the supplied contactor	3RT2015-1BB41
of the supplied circuit-breakers	3RV2011-1GA10
of the supplied link module	3RA1921-1DA00
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 	2.6 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	0.68 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	4.5 6.3 A
operating voltage	
rated value	690 V
 at AC-3 rated value maximum 	690 V
	090 V

operating requency rated value		
# AC-3 at 400 V rated value	operating frequency rated value	50 60 Hz
and ACSe at 400 V rated value and ACS	•	
operating power * at AC-3 — at 400 V rated value * at AC-3 — at 400 V rated value 2 200 W * at AC-3e — at 400 V rated value 2 200 W Control derailly Control Type of Voltage of the control supply voltage DC control supply voltage at DC rated value 2 4 W Auxiliary circuit Product extension auxiliary switch Yes Productive and monitoring functions Trip class CLASS 10 design of the overload release teaponse value current of instantaneous short-circuit trip unit DCCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 680 V rated value • at 680 V rated value • at 680 V rated value • at 800 V rated value • at 1800 V rated value • at 1800 V rated value • at 2000 V rated value • at 300 V rated value • at 2000 V rated value • at 300 V rated value • at 2000 V rated value		
# 14 AC3		6.3 A
	operating power	
- at 400 V rated value 2 200 W Control circuit/ Control Type of Voltage of the control supply voltage DC Control supply voltage at DC rated value 24 V Including power of magnet coil at DC 4 W Auxillary retireal. Product extension auxillary switch Yes Collaboration of the overload release CLASS 10 design of the overload release themsel (climetallic) response value current of instantaneous short-circuit trip unit 82 A ULICSA ratings full-load current (FLA) for 3-phase AC motor 4 8 8 A 6 6 1 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8 A 7 8	• at AC-3	
	— at 400 V rated value	2 200 W
Control current (Control Type of vortage of the control supply voltage Control supply voltage at DC Tated value 24 V bolding power of magnet coil at DC 4 W Availlary cried. Protective and monitoring functions Trip class CLASS 10 Trip class CLASS 10 The control supply outlines 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 4 8.8 V stand value 5 1.4 8.9 V rated value 6.1 A 9 yielded mechanical performance (hp) 6 of single-phase AC motor — at 1101/120 V rated value — at 23.0 V rated value — at 23.0 V rated value — at 20.0208 V rated value — at 40.0480 V rated value — at 60.040 V rated value — at 40.0480 V rated value — at 60.040 V rated value — at 60.	• at AC-3e	
type of voltage of the centrol supply voltage	— at 400 V rated value	2 200 W
control supply voltage at DC rated value 24 V holding power of magnet coil at DC 4 W Avxillary cried. product extension auxillary switch Yes Protective and monitoring functions trip class CLASS 10 design of the overload rolease 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 600 V rated value 5.1 A yielded mechanical performance [hp] for single-phase AC motor —at 110120 V rated value 0.75 hp at 220/230 V rated value 1.5 hp —at 220/230 V rated value 2.5 hp —at 220/230 V rated value 3.5 hp —at 220/230 V rated value 5.5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip design of the short-circuit trip design of the short-circuit trip mounting position short direction in the circuit protection 1.5 kp installation mounting dimensions —at 400 V according to IEC 60947-4-1 rated value 1.5 mm installation mounting dimensions — betwards 0.0 mm — ownerds 0.0 m	Control circuit/ Control	
holding power of magnet coil at DC Auxiliary circuit product extension auxiliary switch Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit UICSA ratings full-oad current (FLA) for 3-phase AC motor at 800 V rated value to rat 800 V rated value at 800 V rated value or 110/120 V rated value or 110/120 V rated value or 110/120 V rated value or 13-phase AC motor - at 110/120 V rated value or 3-phase AC motor - at 200208 V rated value or 3-phase AC motor - at 200208 V rated value or 3-phase AC motor - at 50,049 V rated value or 3-phase AC motor - at 50,049 V rated value or 3-phase AC motor - at 200208 V rated value or 3-phase AC motor - at 50,049 V rated value or 3-phase AC motor - at 200208 V rated value or 3-phase AC motor - at 200208 V rated value or 3-phase AC motor - at 200208 V rated value or 5-ph some	type of voltage of the control supply voltage	DC
Product extension auxiliary switch Yes	control supply voltage at DC rated value	24 V
product extension auxiliary switch Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit ULICSA ratings full-load current (FLA) for 3-phase AC motor at 800 V rated value at 800 V rated value to response value phase AC motor - at 110/120 V rated value - at 200 V rated value or 110/120 V rated value - at 200 V rated value - at 200 V rated value - at 200/20 V rated value - at 46/0480 V rated value - at 200/20 V rated value - at 46/0480 V rated value - at 575600 V rated value - at 575600 V rated value - at 575600 V rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 400 V according to lice 6047-4-1 rated value - at 5000 A - backwards - lowards	holding power of magnet coil at DC	4 W
Protective and monitoring functions CLASS 10 design of the overload release thermal (bimetallic) response value current of instantaneous short-circuit trip unit ULCSA ratings	Auxiliary circuit	
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 460 V rated value at 60 V rated value at 60 V rated value of rate value of valu	product extension auxiliary switch	Yes
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 460 V rated value at 60 V rated value at 60 V rated value of rate value of valu	Protective and monitoring functions	
design of the overload release response value current of instantaneous short-circuit trip unit VLCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • at 180 V rated value • at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 230 V rated value — at 200.203 V rated value — at 575/600 V rated value — at 60/480 V rated value — at 575/600 V rated value — backvards — at 400 V according to IEC 6047-4-1 rated value * at 40 V according to IEC 6047-4-1 rated value * at 40 V according to IEC 6047-4-1 rated value fastening method * breaklation mounting dimensions **mounting position fastening method * breaklation * browards * browards * browards * commounting * of or grounded parts * for grounded parts * for grounded parts * of rowards * upwards * of mm * of rowards * of mm		CLASS 10
response value current of instantaneous short-circuit trip unit UUCSA ratings Iffull-lada current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • at 800 V rated value - at 101/220 V rated value — at 110/120 V rated value — at 230 V rated value — at 230 V rated value — at 200/280 V rated value — at 220/280 V rated value — at 220/280 V rated value — at 375/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — by	·	
Tull-Gad current (FLA) for 3-phase AC motor		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value		
• at 480 V rated value		
■ at 600 V rated value 9,14	. , .	4 8 A
yielded mochanical performance [hp]		
● for single-phase AC motor — at 1101/120 V rated value — at 230 V rated value — of for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 475/5600 V rated value — at 575/560 V rated value — be to 5 bp Short-circuit protection product function short circuit protection yes design of the short-circuit trip conditional short-circuit current (tq) — at 400 V according to IEC 60947-4-1 rated value Installation/mounting/dimensions mounting position fastening method height if 7 mm width depth gory mm required spacing — for grounded parts — forwards — backwards — at the side — downwards — ownwards — ownw		0.171
- at 1101/120 V rated value 0.75 hp - at 230 V rated value 0.76 hp - at 230 V rated value 1.5 hp - at 220/230 V rated value 2 hp - at 220/230 V rated value 2 hp - at 450/480 V rated value 5 hp - at 575/600 V rated value 7 he value 7 he value 7 he value 7 he value 8 he value 8 he value 9 he valu		
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 4575/600 V rated value - at 575/600 V rated value - at 675/600 V rate value - at 675/600		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 4 esign of the short-circuit current (q) • at 400 V according to IEC 60947-4-1 rated value Installation mounting/dimensions mounting position 4 screw and snap-on mounting onto 35 mm DIN rail height 45 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — backwards — downwards — of live parts — forwards — of ownwards • for live parts — forwards — of live parts — forwards — ownwards • for live parts — forwards — ownwards — ownwards — ownwards • for live parts — forwards — ownwards — ow		·
- at 200/208 V rated value		0.75 np
- at 220/230 V rated value 2 hp - at 480/480 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit current (tq) • at 400 V according to IEC 60947-4-1 rated value 150 000 A Installation/ mounting/ dimensions mounting position vertical 167 mm width 45 mm depth 97 mm required spacing • for grounded parts - forwards 20 mm - downwards 10 mm - downwards 10 mm - for live parts - forwards 20 mm - downwards 10 mm - quywards 50 mm - downwards 10 mm - at the side 20 mm - downwards 10 mm - downwards 10 mm - downwards 50 mm - downwards 10 mm - downwards 10 mm - at the side 20 mm - downwards 10 mm - downwards 10 mm - downwards 50 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 20 mm - downwards 10 mm - downwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 20 mm - downwards 20 mm - downwards 20 mm - downwards 30 mm	·	
- at 460/480 V rated value 5 hp - at 575/600 V rated value 5 hp Product function short circuit protection Yes design of the short-circuit current (lq) • 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 rall height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards 20 mm — at the side 20 mm — downwards 10 mm • for live parts — forwards 20 mm • for live parts — forwards 10 mm • for live parts — backwards 0 mm — downwards 10 mm • for live parts — backwards 0 mm — downwards 10 mm — at the side 20 mm — downwards 10 mm — at the side 20 mm — downwards 10 mm — towards 50 mm — at the side 20 mm — downwards 10 mm — towards 20 mm — downwards 10 mm — at the side 20 mm — downwards 10 mm — towards 20 mm — towards 20 mm — downwards 10 mm — towards 20 mm — towards 30 mm — towards 30 mm — towards 40 mm — towards 40 mm — towards 50 mm — towards 50 mm — towards 20 mm Connections/ Torminals type of electrical connection • for main current circuit screw-type terminals		·
Short-circuit protection product function short circuit protection estimate of the short-circuit trip at 400 V according to IEC 60947-4-1 rated value installation/ mounting/ dimensions mounting position fastening method height vertical fastening method screw and snap-on mounting onto 35 mm DIN rail height for grounded parts - forwards - upwards - downwards - backwards - forwards - backwards - backwards - downwards - d		
Short-circuit protection Yes		
product function short circuit protection design of the short-circuit trip conditional short-circuit current (tq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position vertical fastening method height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — at the side — downwards • for live parts — forwards • for live parts — forwards — backwards — backwards — own • for live parts — forwards — backwards — own • to relive parts — forwards — downwards — to mm • of or live parts — downwards — to mm — at the side — downwards — to mm • backwards — own • or an incurrent circuit connections • for main current circuit screw-type terminals		5 hp
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 screw and snap-on mounting onto 35 mm DIN rail height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards • for live parts — forwards • for live parts — backwards — upwards • for live parts — forwards • for live parts — forwards — at the side — downwards • for live parts — forwards — at the side — downwards — upwards • for live parts — forwards — backwards — on mm • for live parts — forwards — the side — downwards — upwards — at the side — downwards — at the side — downwards — upwards — at the side — downwards — at the side — on mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection	
conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height vertical fastening method height 45 mm depth 97 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — upwards — backwards — omm • for live parts — downwards — upwards — downwards — upwards — at the side — downwards — to mm O mm • for live parts — forwards — upwards — at the side — downwards — to mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals		
at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height flef mm width depth for grounded parts - forwards - upwards - at the side - forwards - backwards - forwards - downwards - for live parts - forwards - backwards - backwards - to mm - downwards - to mm - downwards - to mm - upwards - to mm - to mm - to mm for live parts - forwards - upwards - backwards - to mm - to mm - to mm for live parts - forwards - upwards - to mm - to m	product function short circuit protection	Yes
mounting position vertical fastening method screw and snap-on mounting onto 35 mm DIN rail height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards 20 mm — backwards 0 mm — upwards 50 mm — at the side 20 mm • for live parts — forwards 20 mm — downwards 10 mm • for live parts — forwards 20 mm — at the side 20 mm — at the side 20 mm — downwards 10 mm • for live parts — forwards 20 mm — backwards 10 mm • for live parts — forwards 20 mm — at the side 20 mm — connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	· · · · · · · · · · · · · · · · · · ·	
mounting position vertical screw and snap-on mounting onto 35 mm DIN rail height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards — upwards — upwards — at the side — downwards • for live parts — forwards — backwards — ownwards — to mm • for live parts — forwards — upwards — backwards — to mm • for live parts — forwards — backwards — to mm • for live parts — forwards — backwards — upwards — backwards — to mm - connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	design of the short-circuit trip	
fastening method screw and snap-on mounting onto 35 mm DIN rail height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards 20 mm — backwards 0 mm — upwards 50 mm — at the side 20 mm — downwards 10 mm • for live parts 20 mm — backwards 0 mm — upwards 20 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 20 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	design of the short-circuit trip conditional short-circuit current (Iq)	magnetic
height 167 mm width 45 mm depth 97 mm required spacing • for grounded parts — forwards 20 mm — backwards 0 mm — upwards 50 mm — at the side 20 mm • for live parts — forwards 20 mm • for wards 50 mm - at the side 50 mm — at the side 10 mm • for live parts — forwards 50 mm — at the side 20 mm • for main current circuit screw-type terminals	design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value	magnetic
width 45 mm depth 97 mm required spacing • for grounded parts — forwards 20 mm — backwards 0 mm — upwards 50 mm — at the side 20 mm — downwards 10 mm • for live parts — forwards 20 mm — backwards 0 mm • for live parts — forwards 20 mm — backwards 10 mm — to packwards 10 mm — to packwards 10 mm — upwards 50 mm — upwards 50 mm — upwards 50 mm — downwards 10 mm — at the side 20 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	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	magnetic 150 000 A
depth 97 mm required spacing • for grounded parts — forwards 20 mm — backwards 0 mm — upwards 50 mm — at the side 20 mm — downwards 10 mm • for live parts 20 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 20 mm Connections/ Terminals type of electrical connection screw-type terminals	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	magnetic 150 000 A vertical
required spacing	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	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail
● for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — backwards — upwards — to mm — downwards — upwards — upwards — upwards — upwards — to mm — at the side — to mm	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 height	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm
● for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — backwards — upwards — to mm — downwards — upwards — upwards — upwards — upwards — to mm — at the side — to mm	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 height width	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm
forwards 20 mm backwards 0 mm upwards 50 mm at the side 20 mm downwards 10 mm ■ for live parts forwards 20 mm backwards 0 mm backwards 0 mm upwards 50 mm downwards 10 mm at the side 20 mm Connections/ Terminals type of electrical connection ■ for main current circuit screw-type terminals	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 height width depth	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm
backwards 0 mm upwards 50 mm at the side 20 mm downwards 10 mm • for live parts forwards 20 mm backwards 0 mm backwards 50 mm upwards 50 mm downwards 10 mm at the side 20 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	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 height width depth required spacing	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm
 — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — upwards — downwards — downwards — at the side 20 mm — at the side 20 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals 	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 height width depth required spacing • for grounded parts	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm
- at the side - downwards 10 mm • for live parts - forwards - backwards - backwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit 20 mm 20 mm 50 mm 50 mm 20 mm	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 height width depth required spacing • for grounded parts — forwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm
- downwards • for live parts - forwards - backwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit 10 mm 20 mm 20 mm	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 height width depth required spacing • for grounded parts — forwards — backwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm
● for live parts — forwards — backwards — upwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection ● for main current circuit 20 mm 20 mm 20 mm 50 mm 50 mm	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm
forwards 20 mm backwards 0 mm upwards 50 mm downwards 10 mm at the side 20 mm Connections/ Terminals type of electrical connection ● for main current circuit screw-type terminals	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm
- backwards 0 mm - upwards 50 mm - downwards 10 mm - at the side 20 mm Connections/ Terminals type of electrical connection ● for main current circuit screw-type terminals	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm
 — upwards — downwards — at the side 20 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals 	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 mm
— downwards — at the side 20 mm Connections/ Terminals type of electrical connection	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 10 mm
— at the side 20 mm Connections/ Terminals type of electrical connection	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards • for live parts — forwards — backwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 10 mm 10 mm 20 mm 0 mm
Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards • for live parts — forwards — backwards — backwards — upwards — upwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 20 mm 0 mm 50 mm
type of electrical connection • for main current circuit screw-type terminals	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — torwards — torwards — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 10 mm 50 mm 0 mm 50 mm
• for main current circuit screw-type terminals	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — backwards — upwards — backwards — upwards — downwards • for live parts — forwards — backwards — upwards — backwards — backwards — downwards — downwards — downwards — at the side	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 10 mm 50 mm 0 mm 50 mm
	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — a the side — downwards — backwards — upwards — backwards — backwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side Connections/ Terminals	magnetic 150 000 A vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 10 mm 50 mm 0 mm 50 mm
• for auxiliary and control circuit screw-type terminals	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — backwards — backwards — backwards — backwards — backwards — at the side Connections/ Terminals type of electrical connection	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 10 mm 20 mm 0 mm 0 mm
	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 height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — torwards — backwards — upwards — torwards — backwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit	vertical screw and snap-on mounting onto 35 mm DIN rail 167 mm 45 mm 97 mm 20 mm 0 mm 50 mm 10 mm 20 mm 0 mm 50 mm 10 mm 50 mm 50 mm 50 mm 50 mm 50 mm

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

Railway

Dangerous goods







Confirmation

Special Test Certific-

Transport Information

Environment

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=3RA2110-1GA15-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1GA15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1GA15-1BB4

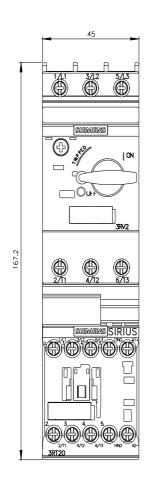
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

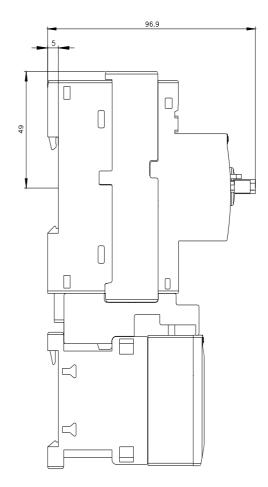
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2110-1GA15-1BB4&lang=en

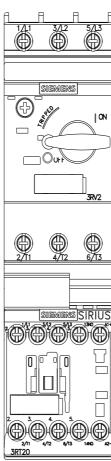
Characteristic: Tripping characteristics, I²t, Let-through current

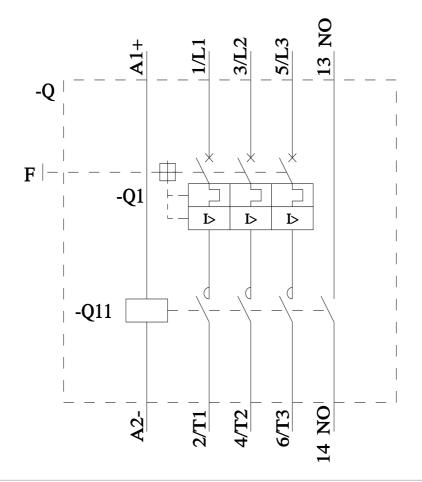
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1GA15-1BB4/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1GA15-1BB4&objecttype=14&gridview=view1









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