# **SIEMENS**

### **Data sheet**

## 3RA2110-0GD15-1BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 0.45...0.63 A 24 V DC screw terminal for 60 mm busbar systems (also fulfills type of coordination 1) Type of coordination 2, Iq = 150 kA 1 NO (contactor)

product brand name	SIRIUS
product designation	Direct (on-line) starter
design of the product	for 60 mm busbars
product type designation	3RA21
manufacturer's article number	
<ul> <li>of the supplied contactor</li> </ul>	<u>3RT2015-1BB41</u>
<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-0GA10
<ul> <li>of the supplied busbar adapter</li> </ul>	<u>8US1251-5DS10</u>
<ul> <li>of the supplied link module</li> </ul>	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	
<ul> <li>at AC in hot operating state per pole</li> </ul>	2 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	2
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-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	0.45 0.63 A
operating voltage	
● rated value	690 V

* all AC-3 rated value maximum operating frequency rated value operating frequency rated value operating frequency rated value  • Al AC-3 at 400 V rated value • Al AC-3 at 400 V rated value • Al AC-3 at 400 V rated value  • Al AC-3 at 400 V rated value • Al AC-3 at 400 V rated value • AL AC-3 at 400 V rated value • AL AC-3 at 400 V rated value • AL AC-3 at 400 V rated value • AL AC-3 at 400 V rated value • AL AC-3 at 400 V rated value • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value  • AL AC-3 at 400 V rated value • AL AC-	e at AC 2 rated value maximum	600 V
operational current  * if AC-3 at 4500 V rated value  * if AC-3 at	at AC 3e rated value maximum	690 V
operating ower  * at AC-3 at 400 V rated value  * at AC-3 at 400 V rated value  * at AC-3  - at 400 V rated value  * at AC-3  - at 400 V rated value  * at AC-3  - at 400 V rated value  * at AC-3  - at 400 V rated value  * at AC-3  * at AC-3  - at 400 V rated value  * at AC-3  * at AC-3  - at 400 V rated value  * at AC-3  * at AC-3  * at AC-3  - at 400 V rated value  * at AC-3  * at		
al AC-3 at 400 V rated value al AC-3 at 400 V rated value before the Alfo-2 at 400 V rated value al AC-3 at 400 V rated value before the Alfo-2 value al AC-3 at 400 V rated value  BE ALFO-3 at 400 V rated value  Control supply voltage at DC al Action of Alfo-3 value al Action of Alfo-3 v		50 60 Hz
e at AC-Se at 400 V rated value operating power - at 400 V rated value - 24 V - 400 V rated value - 24 V - 400 V rated value - 25 V rated value - 26 V rated value - 27 V rated value - 28 V rated value - 29 V rated value - 20 V rated value	•	
operating power  I AC-3  I Ad 400 V rated value  I 800 W		
* At ACS — at 400 V rated value * IRAC-30 — at 400 V rated value * IRAC-30 — at 400 V rated value  * Control screen V voltage of the control supply voltage DC control supply voltage at DC * rated value * response value current of ratertaneous short-circuit trip unit * SEA * Voltage at DC * rated value * rated value current of ratertaneous short-circuit trip unit * Value Value value * value value value * value value value * value * value value * value * value value * v		0.63 A
	· · · · · · · · · · · · · · · · · · ·	
• al AG-3e     — al 400 V rated value     — al 400 V rated value     — al 400 V rated value     — al 400 V value of the control supply voltage     • crated value     • arade value     • a	• at AC-3	
	— at 400 V rated value	180 W
Control circuit Control  Vype of voltage of the control supply voltage  • rated value  • rate doo' rated value  • rated value  rated	• at AC-3e	
type of voltage of the control supply voltage control supply voltage at DC - rated value - response value current of instantaneous short-circuit ring unit - rated value -		180 kW
control supply voltage at DC	Control circuit/ Control	
rated value     rated value     loiding power of magnet coil at DC     Auxiliary circuit  Protective and monitoring functions  trip class     CLASS 10 design of the overload release     thermal (bimetallic) response value current of instantaneous short-circuit trip unit  ULICSA ratings  (ILI-CSA ratings  ILI-CSA ratings  ILI-CSA ratings  ILI-CSA ratings  ILI-CSA ratings  Short-circuit protection     a at 800 V rated value     a 1800 V ra	type of voltage of the control supply voltage	DC
e-rated value 24 24 V holding power of magnet coil at DC 4 W Avxillary circuit  product extension auxillary switch Yes  Protective and monitoring functions  trip class CLASS 10 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 600 V rated value • at 600 V rated value • at 600 V rated value  • at 400 V according to IEC 60947-41 rated value • at 400 V according to IEC 60947-41 rated value • at 400 V according to IEC 60947-41 rated value  installation mounting dimensions  mounting position  restriction  frastening method for snapping onto 60 mm busbar systems height 45 mm depth required spacing • for grounded parts — Growards — Dackwards — Dackwards — Upwards — He side — Ownwards — Ownwards — In mm — He side — Ownwards — Ownw	control supply voltage at DC	
holding power of magnet coil at DC  Auxiliary circuit  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  0.63 A  at 600 V rated value  0.63 A  3hort-circuit protection  product function short circuit trip  magnetic  conditional short-circuit current (q)  at 400 V according to IEC 60047-4.1 rated value  150 000 A  Installation/mounting/dimensions  mounting position  fastening method  for snapping onto 60 mm busbar systems  height  203 mm  vertical  fastening method  at 600 vaccording to IEC 60047-4.1 rated value  155 mm  required spacing  a for grounded parts  - lowards  - backwards  - upwards  - at the side  - downwards  - at the side  - downwards  - to fir live parts  - for live parts  - for wards  - at the side  - downwards  - to fir live parts  - for live parts  - for wards  - at the side  - downwards  - at the side  - downwards  - to man  - for live parts  - for wards  - to man  - owards  - to grounded of the side  - downwards  - to man  - for live parts  - for wards  - to man  - for live parts  - for wards  - to man  - to man  - for live parts  - for wards  - to man  - owards  - to man  - owards  - to man  - to man  - for live parts  - for wards  - to man  - to m	• rated value	24 V
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 ULCSA ratings  full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value bord-circuit protection product function short circuit protection yes design of the short-circuit current (q) at 400 V according to IEC 60947-4-1 rated value finstalistion/mounting/dimensions  wounting position fastening method height fastening method height of grounded parts for grounded parts for grounded parts downwards upwards for live parts for main current circuit for acultary and control circuit for acultary an	rated value	24 24 V
product extension auxiliary switch Protective and monitoring functions trip class  design of the overload release response value current of instantaneous short-diroult trip unit  UICSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  • at 6	holding power of magnet coil at DC	4 W
Protective and monitoring functions  trip class	Auxiliary circuit	
trip class  design of the overload release response value current of instantaneous short-circuit trip unit  8.2 A  ULICSA ratings  full-load current (FLA) for 3-phase AC motor	product extension auxiliary switch	Yes
design of the overload release response value current of instantaneous short-circuit trip unit  UICSA natings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • 0.63 A  • at 600 V rated value • 0.63 A  Short-circuit protection product function short circuit trip magnetic conditional short-circuit current (tg) • at 400 V according to IEC 6947-4-1 rated value  Installation mounting dimensions  mounting position fastening method for snapping onto 60 mm busbar systems height 203 mm  vertical for grounded parts  - for grounded parts - backwards - upwards - at the side - downwards - backwards - downwards - backwards - downwards - backwards - downwards - backwards - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - to mm - at the side - at the side - downwards - to mm - at the side - downwards - to mm - at the side - to main current circuit - for auxiliary and control circuit - with high demand rate according to SN 31920 - with high demand rate according to SN 31920 - with high demand rate according to SN 31920 - with high demand rate according to SN 31920 - To see the side - to see	Protective and monitoring functions	
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 600 V rated value • at 600 V rated value • at 600 V rated value  • at 600 V rated value  product function short circuit protection  gespin of the short-circuit current (q) • at 400 V according to IEC 60947-4-1 rated value  installation mounting position  fastening method for snapping onto 60 mm busbar systems  height 203 mm  width depth 155 mm  required spacing • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards — obackwards — on mm  • for live parts — forwards — upwards — to for live parts — downwards — to mm — downwards — to mm — the side — upwards — obackwards — on mm — the side — obackwards — on mm — the side — obackwards — on mm — the side — ownwards — to mm — the side — ownwards — to mm — the side — upwards — on mm — the side — ownwards — to mm — the side	trip class	CLASS 10
Tull-dad current (FLA) for 3-phase AC motor  a 14 80 V rated value  0.63 A  Short-circuit protection  product function short circuit trip  conditional short-circuit trip  magnetic  conditional short-circuit trip  magnetic  conditional 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  45 mm  depth  45 mm  depth  56 regrounded parts  - forwards  - backwards  - upwards  - at the side  - downwards  - forwards  • for live parts  - forwards  - backwards  - upwards  - forwards  - out many and the side  - downwards  - to live parts  - forwards  - upwards  - for live parts  - forwards  - upwards  - for main current circuit  - downwards  - upwards  - downwards  - the side  - downwards  - the side  - downwards  - the side  - upwards  - for live parts  - forwards  - upwards  - the side  - upwards  - upwards  - the side  - upwards  - upwards  - the side  - upwards  - upwards  - upwards  - upwards  - the side  - upwards  - upwards  - upwards  - the side  - upwards  - upwards  - upwards  - the side  - upwards  - upwards  - upwards  - upwards  - the side  - upwards  -	design of the overload release	thermal (bimetallic)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 680 V rated value • at 680 V rated value • 0.63 A  Short-circuit protection  product function short circuit protection design of the short-circuit turip conditional short-circuit current (tq) • 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 violet depth 155 mm  required spacing • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — or owards — for ive parts — forwards — upwards — 6 for live parts — forwards — 4 the side — downwards — upwards — 50 mm — at the side — downwards — upwards — 50 mm — at the side — downwards — 10 mm — or owards — upwards — 50 mm — at the side — downwards — 10 mm — or owards — upwards — 50 mm — or owards — upwards — 50 mm — or owards — 10 mm — or owards — or	response value current of instantaneous short-circuit trip unit	8.2 A
at 480 V rated value b. 63 A at 600 V rated value co.63 A at 600 V rated value co.63 A  short-circuit protection  product function short circuit trip conditional short-circuit current (Iq) at 400 V according to IEC 60947-4-1 rated value to at 400 V according to IEC 60947-4-1 rated value to conditional short-circuit current (Iq) at 400 V according to IEC 60947-4-1 rated value to conditional short-circuit current (Iq) at 400 V according to IEC 60947-4-1 rated value to conditional short-circuit current (Iq) at 600 A thistallation/ mounting/ dimensions  mounting position vertical fastening method for snapping onto 60 mm busbar systems height 203 mm  depth 455 mm  required spacing  at 60 grounded parts for man for showards for mm for live parts for live parts for live parts for live parts for wards for mm for wards for mm for wards for mm for wards for mm for main current circuit for a wavillary and control circuit for main current circuit for main cur	UL/CSA ratings	
at 480 V rated value b. 63 A at 600 V rated value co.63 A at 600 V rated value co.63 A  short-circuit protection  product function short circuit trip conditional short-circuit current (Iq) at 400 V according to IEC 60947-4-1 rated value to at 400 V according to IEC 60947-4-1 rated value to conditional short-circuit current (Iq) at 400 V according to IEC 60947-4-1 rated value to conditional short-circuit current (Iq) at 400 V according to IEC 60947-4-1 rated value to conditional short-circuit current (Iq) at 600 A thistallation/ mounting/ dimensions  mounting position vertical fastening method for snapping onto 60 mm busbar systems height 203 mm  depth 455 mm  required spacing  at 60 grounded parts for man for showards for mm for live parts for live parts for live parts for live parts for wards for mm for wards for mm for wards for mm for wards for mm for main current circuit for a wavillary and control circuit for main current circuit for main cur	full-load current (FLA) for 3-phase AC motor	
Short-circuit protection   Yes		0.63 A
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 height 203 mm width 45 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — at the side — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards — odwnwards — the side — downwards — upwards — odwnwards — the side — downwards — upwards — of main current circuit — for main current circuit • for axix liary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  73 %	• at 600 V rated value	0.63 A
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 height 203 mm width 45 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — at the side — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards — odwnwards — the side — downwards — upwards — odwnwards — the side — downwards — upwards — of main current circuit — for main current circuit • for axix liary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  73 %	Short-circuit protection	
design of the short-circuit turip 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 203 mm  width 45 mm  depth 155 mm  required spacing  • for grounded parts — forwards — backwards — upwards — at the side — downwards — to five parts — for live parts — forwards — backwards — backwards — on mm — odwnwards • for live parts — forwards — backwards — to mm — downwards — to mm — at the side — downwards — to mm — upwards — backwards — to mm — to mm — to mm — at the side — downwards — to mm — at the side — downwards — to mm — at the side — odwnwards — to mm — at the side — odwnwards — to mm — at the side — odwnwards — of mm — at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920  73 %		Yes
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 203 mm  width 45 mm  depth 155 mm  required spacing  • for grounded parts — forwards — upwards — at the side — downwards — of live parts — for live parts — forwards — upwards — backwards — o mm — downwards — 10 mm  • for live parts — forwards — upwards — o mm — upwards — at the side — downwards — 10 mm  • for live parts — forwards — upwards — backwards — upwards — o mm — o		magnetic
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 203 mm width depth 155 mm  required spacing  • for grounded parts — forwards — backwards — upwards — downwards — 10 mm • for live parts — forwards — backwards — backwards — backwards — 10 mm • for live parts — forwards — backwards — backwards — backwards — backwards — o mm • for live parts — forwards — backwards — backwards — backwards — backwards — o mm  - downwards — to mm  - for min current circuit • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  73 %		
mounting position vertical fastening method for snapping onto 60 mm busbar systems height 2203 mm width 45 mm depth 165 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 — odownwards 0 mm — at the side 10 mm — to packwards 0 mm — upwards 50 mm — at the side 20 mm — downwards 10 mm — to prove the side 10 mm — to prove the side 20 mm  Connections/ Terminals  type of electrical connection • for main current circuit screw-type terminals Safety related data  B10 value with high demand rate according to SN 31920 1 000 000 proportion of dangerous failures • with high demand rate according to SN 31920 73 %	SOMETHING STOLE OF OUR LOUIS OF THE LIGHT	
mounting position fastening method for snapping onto 60 mm busbar systems height 203 mm width 45 mm depth 155 mm  required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards  • for live parts — forwards  — at the side — downwards • for live parts — forwards — backwards — to mm • backwards — upwards — to mm • backwards — upwards — to mm • backwards — upwards — backwards — upwards — to mm • or main current circuit • for auxiliary and control circuit • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920	• •	150 000 A
fastening method height 203 mm width 45 mm depth 155 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — forwards — forwards • for live parts — forwards — backwards — to mm — at the side — downwards — to mm — to	at 400 V according to IEC 60947-4-1 rated value	150 000 A
height 203 mm  width 45 mm  depth 155 mm  required spacing  • for grounded parts  — forwards 20 mm  — backwards 0 mm  — at the side 20 mm  — downwards 10 mm  • for live parts  — forwards 20 mm  — downwards 0 mm  • for live parts  — forwards 20 mm  Commands 10 mm  • for live parts  — forwards 20 mm  — backwards 0 mm  — backwards 10 mm  — at the side 20 mm  Commands 50 mm  — ownwards 10 mm  — ownwards 10 mm  — of mrain current circuit screw-type terminals  type of electrical connection  • for main current circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1000 000  proportion of dangerous failures  • with high demand rate according to SN 31920 73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions	
width 45 mm  depth 155 mm  required spacing  • for grounded parts  — forwards — backwards — upwards — at the side — downwards 10 mm  • for live parts — forwards — backwards — upwards — backwards 0 mm  • for live parts — forwards — upwards — backwards — upwards — backwards — upwards — upwards — upwards — upwards — odownwards — upwards — of mm  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920  73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position	vertical
depth       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       • for auxiliary and control circuit     screw-type terminals       Safety related data       B10 value with high demand rate according to SN 31920     1 000 000       proportion of dangerous failures     with high demand rate according to SN 31920     73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method	vertical for snapping onto 60 mm busbar systems
required spacing  • for grounded parts  — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — o mm  • for live parts — forwards — upwards — backwards — upwards — upwards — the side — downwards — 10 mm — at the side — 20 mm  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  rown with high demand rate according to SN 31920	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position fastening method height	vertical for snapping onto 60 mm busbar systems 203 mm
for grounded parts         — forwards         — backwards         — upwards         — upwards         — at the side         — downwards         — forwards         — forwards         — downwards         — forive parts         — forwards         — backwards         — backwards         — upwards         — upwards         — downwards         — upwards         — at the side         — downwards         — at the side         — for main current circuit         — for main current circuit         — for main current circuit         — for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  Proportion of dangerous failures         — with high demand rate according to SN 31920  73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position fastening method height width	vertical for snapping onto 60 mm busbar systems 203 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 — upwards 50 mm — upwards 50 mm — upwards 50 mm — at the side 20 mm  Connections/ Terminals  type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1000 000  proportion of dangerous failures • with high demand rate according to SN 31920 73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth	vertical for snapping onto 60 mm busbar systems 203 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 backwards 10 mm upwards 50 mm downwards 10 mm at the side 20 mm  at the side 20 mm  at the side 20 mm   Connections/ Terminals  type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures • with high demand rate according to SN 31920 73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm
- upwards 50 mm  - at the side 20 mm  - downwards 10 mm  • for live parts  - forwards 20 mm  - backwards 0 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  • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1000 000  proportion of dangerous failures  • with high demand rate according to SN 31920 73 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm
- at the side 20 mm - downwards 10 mm  • for live parts - 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 • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures • with high demand rate according to SN 31920 73 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm
- downwards  • for live parts  - forwards  - backwards  - upwards  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  • with high demand rate according to SN 31920  73 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm
for live parts         — forwards         — backwards         — upwards         — downwards         — at the side  Connections/ Terminals  type of electrical connection         • for main current circuit         • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures         • with high demand rate according to SN 31920  73 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 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 • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures • with high demand rate according to SN 31920 73 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 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  • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures  • with high demand rate according to SN 31920 73 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 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 • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures • with high demand rate according to SN 31920  73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing  at for grounded parts — forwards — backwards — upwards — at the side — downwards  for live parts	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 20 mm 10 mm
- downwards - at the side 20 mm  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures • with high demand rate according to SN 31920  73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing     ofor grounded parts	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 20 mm 10 mm
— at the side 20 mm  Connections/ Terminals  type of electrical connection	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         — forwards         — abackwards         — backwards         — backwards         — backwards         — backwards         — backwards	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 10 mm
type of electrical connection  • for main current circuit screw-type terminals  • for auxiliary and control circuit screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures  • with high demand rate according to SN 31920 73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width  depth  required spacing  at for grounded parts  backwards  upwards  at the side  downwards  for live parts  backwards  backwards  upwards  for live parts  backwards  upwards  upwards  upwards  upwards	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm
type of electrical connection  • for main current circuit  • for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with high demand rate according to SN 31920  73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  at for grounded parts  backwards  upwards  at the side  downwards  for live parts  forwards  backwards  upwards  downwards  for live parts  backwards  upwards  downwards	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 10 mm
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with high demand rate according to SN 31920</li> <li>73 %</li> </ul>	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing  at for grounded parts  - forwards  - backwards  - upwards  - at the side  - downwards  backwards  for live parts  - forwards  - backwards  - upwards  - downwards  - downwards  - downwards  - at the side	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 10 mm
	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  — upwards  — backwards  — upwards  — at the side  Connections/ Terminals	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 10 mm
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 %	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	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 20 mm 10 mm
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 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width  depth  required spacing  at for grounded parts  forwards  backwards  upwards  at the side  downwards  for live parts  forwards  backwards  upwards  at the side  downwards  for wards  at the side  downwards  at the side  connections/ Terminals  type of electrical connection  for main current circuit	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 10 mm 50 mm 20 mm
proportion of dangerous failures  ● with high demand rate according to SN 31920  73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  at for grounded parts  - forwards  - backwards  - upwards  - at the side  - downwards  for live parts  - forwards  - backwards  - upwards  - at the side  Connections/ Terminals  type of electrical connection  for auxiliary and control circuit	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 0 mm 50 mm 10 mm 50 mm 20 mm
• with high demand rate according to SN 31920 73 %	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing  at for grounded parts  backwards  upwards  at the side  downwards  for live parts  forwards  upwards  at the side  downwards  at the side  downwards  at the side  for live parts  forwards  at the side  downwards  for live parts  forwards  for live parts  for liv	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 20 mm 10 mm 20 mm 0 mm 50 mm 20 mm 0 mm screw-type terminals screw-type terminals
	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  at for grounded parts  backwards  upwards  at the side  downwards  for live parts  forwards  backwards  upwards  at the side  downwards  at the side  connections/ Terminals  type of electrical connection  for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 50 mm 20 mm 50 mm
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  afor grounded parts  backwards  backwards  upwards  at the side  downwards  for live parts  forwards  backwards  upwards  at the side  downwards  for live parts  forwards  backwards  upwards  at the side  connections/ Terminals  type of electrical connection  for main current circuit  for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 20 mm 10 mm 50 mm 20 mm 0 mm 5 mm 10 mm 5 mm 10 mm 5 mm 10 mm
	at 400 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  a for grounded parts  backwards  upwards  at the side  downwards  for live parts  forwards  backwards  upwards  at the side  downwards  at the side  for live parts  forwards  at the side  for main current circuit  for auxiliary and control circuit  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  with high demand rate according to SN 31920	vertical for snapping onto 60 mm busbar systems 203 mm 45 mm 155 mm  20 mm 0 mm 50 mm 10 mm 20 mm 10 mm 50 mm 20 mm 10 mm 50 mm 10 mm 50 mm 10 mm 50 mm 10 mm 50 mm 10 mm

#### protocol is supported • PROFINET IO protocol No PROFIsafe protocol Nο protocol is supported AS-Interface protocol No

Certificates/ approvals

**General Product Approval** 

For use in hazardous locations

**Declaration of Conformity** 

Confirmation











**Test Certificates** 

Marine / Shipping

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report









Marine / Shipping

other

Railway

**Dangerous Good** 







Confirmation

Vibration and Shock

**Transport Information** 

#### 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=3RA2110-0GD15-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-0GD15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0GD15-1BB4

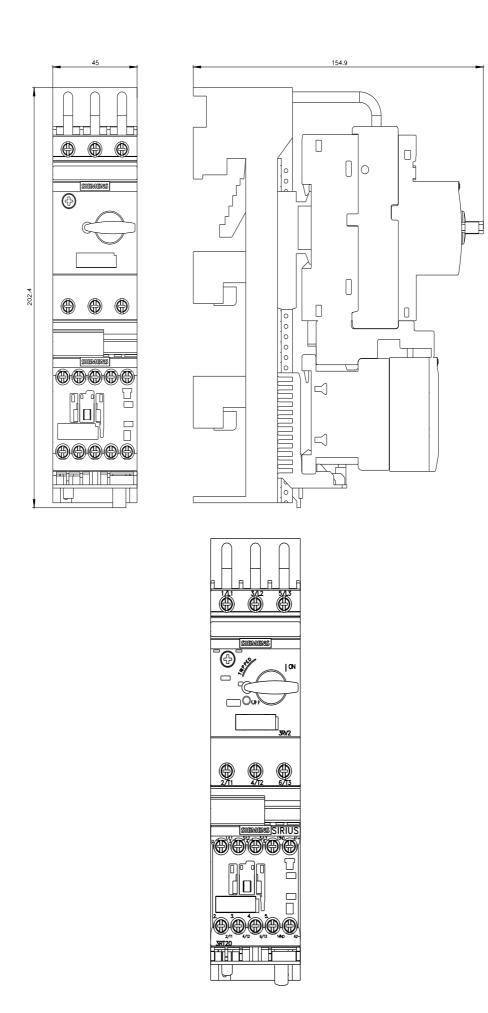
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

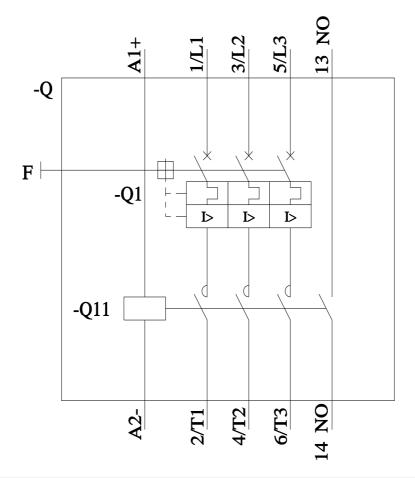
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2110-0GD15-1BB4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-0GD15-1BB4/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-0GD15-1BB4&objecttype=14&gridview=view1





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