3RA2210-1BD15-2AK6

## **Data sheet**



FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S00 1.4. . .2A, AC 110/120V 50/60HZ SCREW TERMINAL FOR BUSBAR SYSTEMS 60MM TYPE OF ASSIGNMENT 2,IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NC (CONTACTOR)

product brand name	SIRIUS	
product designation	non-fused load feeders 3RA2	
design of the product	reversing starter	
manufacturer's article number		
<ul> <li>of the supplied contactor</li> </ul>	3RT2015-1AK62	
<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-1BA10	
<ul> <li>of the supplied RS assembly kit</li> </ul>	<u>8US1250-5AS10</u>	
<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	
product extension auxiliary switch	Yes	
insulation voltage with degree of pollution 3 at AC rated value	690 V	
degree of pollution	3	
surge voltage resistance rated value	6 kV	
shock resistance according to IEC 60068-2-27	6g / 11 ms	
mechanical service life (switching cycles) of contactor typical	30 000 000	
type of assignment	2	
Substance Prohibitance (Date)	10/01/2009	
Ambient conditions		
ambient temperature		
<ul><li>during operation</li></ul>	-20 +60 °C	
during storage	-50 +80 °C	
during transport	-50 +80 °C	
Main circuit		
number of poles for main current circuit	3	
design of the switching contact	electromechanical	
adjustable current response value current of the current-dependent overload release	1.4 2 A	
operating voltage		
rated value	690 V	
at AC-3 rated value maximum	690 V	
operating frequency rated value	50 60 Hz	
operational current at AC-3 at 400 V rated value	1.9 A	
operating power at AC-3		
• at 400 V rated value	750 W	
<ul> <li>at 500 V rated value</li> </ul>	750 W	

Control circuit Control supply voltage at AC  • at 60 Hz rated value    10 V	at 690 V rated value	1 100 W
control supply voltage at AC  • at 50 Mr rated value  • at 60 Hz rated value  paparent holding power of magnet coil at AC  • 2 VA  **Torbective and monitoring intentions  **Trip class  CLASS 10  design of the overload release  response value current of instantaneous short-circuit trip unit  **ULCSA rateings**  ULCSA rateings**    ULCSA rateings**   1		1 100 11
a till 50 Hz rated value a did 00 Hz rated value paparent holding power of magnet coll at AC  Protective and monitoring functions trip class CLASS 10 thermal (bimetallic) therm		
a # 60 Hz rated value   42 VA		110 V
apparent holding power of magnet coll at AC  Protective and monitoring functions  trip class  design of the overload release response value current of instantaneous short-circuit trip unit  26 A  ULGSA ratings  Tull-add current (FLA) for 3-phase AC motor • at 800 V rated value • at 800 V rated value • at 800 V rated value • at 90 V rated value • at 9		
trip class design of the overload release response value current of instantaneous short-circuit trip unit  UL/USA ratings (Ill-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 800 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 3-phase AC motor  - at 480 V rated value • for 5-phase AC motor • for gound for the short-circuit trip to the close of the short-circuit trip to the value • for 680 V according to IEC 68947 -41 rated value • for 500 V according to IEC 68947 -41 r		
trip class  design of the overload release response value current of instantaneous short-circuit trip unit  DUGSA ratings  full-load current (FLA) for 3-phase AC motor  at 800 V rated value  at 800 V rated value  at 800 V rated value  at 600 V rated value  at 600 V rated value  at 600 V rated value  at 673 Pabase AC motor  —at 230 V rated value  at 673 Pabase AC motor  —at 750600 V rated value  at 674 Pabase AC motor  —at 750600 V rated value  at 675 Pabase AC motor  —at 750600 V rated value  before 3-phase AC motor  —at 750600 V rated value  at 600 V ared value  1 hp  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  at 800 V according to IEC 60947 -41 rated value  at 400 V according to IEC 60947 -41 rated value  at 500 V according to IEC 60947 -41 rated value  at 500 V according to IEC 60947 -41 rated value  at 500 V according to IEC 60947 -41 rated value  to 41 do V according to IEC 60947 -41 rated value  at 500 V according to IEC 60947 -41 rated value  at 600 V according to IEC 60947 -41 rated		7.4 V/\
design of the overload release response value current of instantaneous short-circuit trip response value current of instantaneous short-circuit trip response value current (FLA) for 3-phase AC motor • at 480 V rated value • at 690 V rated value • for shighe-hase AC motor — at 230 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 260-480 V rated value • for 3-phase AC motor — at 375-600 V rated value • for 3-phase AC motor — at 675-600 V rated value • for 3-phase AC motor — at 675-600 V rated value • for 3-phase AC motor — at 675-600 V rated value • for 3-phase AC motor — at 675-600 V rated value • for 3-phase AC motor — at 675-600 V rated value • for 3-phase AC motor — at 675-600 V rated value • for 576-600 V rated value • for 604-600 V rated value • for 604-74-1 rated val		CLASS 10
response value current of instantaneous short-circuit trip unit  ULCSA ratings  full-load current (FLA) for 3-phase AC motor	<u> </u>	
ULCSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • 1.63.A  • at 480 V rated value  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 480/480 V rated value  • for 3-phase AC motor  — at 480/480 V rated value  • for 3-phase AC motor  — at 480/480 V rated value  • for 3-phase AC motor  — at 575/690 V rated value  • for 3-phase AC motor  — at 575/690 V rated value  • for 3-phase AC motor  — at 575/690 V rated value  • for 3-phase AC motor  — at 575/690 V rated value  • for 575/690 V rated value  • for 690 V rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 490 V according to IEC 60947-4-1 rated value  • at 490 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • for 590 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  • at 690 V according to IEC 60947-4-1 rated value  10 0000 A  10 0000 A  10 0000 A  10 0000 A		
full-load current (FLA) for 3-phase AC motor  at 480 V rated value 1.83 A 1.83 A 1.72 A  yielded mechanical performance [hp] for single-phase AC motor — at 230 V rated value 0.13 hp for 3-phase AC motor — at 460/480 V rated value 0.75 hp — at 575/500 V rated value 1 hp  Short-circuit protection  product function short-circuit trip magnetic conditional short-circuit trip conditional short-circuit trip at 680 V according to IEC 60947-4-1 rated value 1 at 490 V according to IEC 60947-4-1 rated value 1 at 490 V according to IEC 60947-4-1 rated value 1 at 490 V according to IEC 60947-4-1 rated value 1 at 500 V according to IEC 60947-4-1 rated		207
at 480 V rated value at 600 V rated value to rated value to rated value  yielded mechanical performance (hp)  • for single-phase AC motor — at 280 V rated value • for 3-phase AC motor — at 460/480 V rated value — at 575/900 V rated value — at 400 V according to EC 69947-4-1 rated value • at 400 V according to EC 69947-4-1 rated value • at 400 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to EC 69947-4-1 rated value  • at 600 V according to E	UL/CSA ratings	
• at 600 V rated value  yielded mechanical performance [thp] • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 460480 V rated value — at 575/500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V according to lEC 60947-4-1 rated value — at 400 V according to lEC 60947-4-1 rated value — at 400 V according to lEC 60947-4-1 rated value — at 400 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 500 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value — at 600 V according to lEC 60947-4-1 rated value	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [ftp]  • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 460/480 V rated value — at 575/600 V rated value — at 675/600 V rated value — at 690 V according to EC 69947-4-1 rated value • at 400 V according to EC 69947-4-1 rated value • at 400 V according to EC 69947-4-1 rated value • at 400 V according to EC 69947-4-1 rated value • at 400 V according to EC 69947-4-1 rated value • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  • at 500 V according to EC 69947-4-1 rated value  for snapping onto 80 mm busbar systems  vertical  fastaning method  for snapping onto 80 mm busbar systems  • for march  • at 690 Mm  • for live parts  • for main contacts stranded  • at AVIG cables for main contacts  • for main contacts stranded  • at AVIG cables for main contacts  finely stranded data  B10 value with high demand rate according to SN 31920  proportion of dangerous fallures with high demand rate according to SN 31920  proportion of dangerous fallures with high demand rate according to SN 31920  proportion of dangerous fallures with high demand rate according to SN 31920  proportion of dangerous fallures with high demand rate according to SN 31920  proportion of dangerous fallures with high demand rate according to SN 31920  proportion of dangerous fallures with high demand rate according to SN 31920	at 480 V rated value	1.63 A
• for single-phase AC motor — at 230 V rated value	at 600 V rated value	1.72 A
- at 230 V rated value  • for 3-phase AC motor  - at 460/480 V rated value  - at 575/600 V rated value  1 hp  Short-circuit protection  product function short circuit protection  4 et 890 V according to IEC 60947-4-1 rated value  • at 490 V according to IEC 60947-4-1 rated value  • at 490 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 590 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 690 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  • at 600 V according to IEC 60947-4-1 rated value  1000 00 A  Installation mounting dimensions  vertical  for snapping onto 60 mm busbar systems  • for grounded parts  • for wards  • for wards  • for wards  • for main contacts  • forwards  • forward	yielded mechanical performance [hp]	
• for 3-phase AC motor  — at 460/480 V rated value — at 575/6800 V rated value — at 575/6800 V rated value  — at 575/6800 V rated value  Short-circuit protection  product function short circuit try conditional short-circuit current (tq)  • at 690 V according to IEC 60947-4-1 rated value • at 400 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value  * at 500 V according to	<ul> <li>for single-phase AC motor</li> </ul>	
- at 460/480 V rated value	— at 230 V rated value	0.13 hp
- at 575/600 V rated value 1 hp  Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic conditional short-circuit current (lq) a t 690 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value b at 500 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value b at 500 V according to	<ul> <li>for 3-phase AC motor</li> </ul>	
Short-circuit protection   Product function short circuit trop   magnetic	— at 460/480 V rated value	0.75 hp
product function short circuit protection   design of the short-circuit trip   magnetic   magnetic   stress   magnetic   magnetic   stress   magnetic   magnetic   stress   st	— at 575/600 V rated value	1 hp
design of the short-circuit current (Iq)  • at 890 V according to IEC 60947-4-1 rated value • at 400 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value • at 500 V according to IEC 60947-4-1 rated value  mounting position  required spacing  • for snapping onto 60 mm busbar systems  height 200 mm  depth required spacing • for grounded parts — forwards — backwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — own — at the side — downwards • for live parts — forwards — ownwards — at the side — downwards — at the side — downwards — at the side — go mm  Connections/ Terminals  type of electrical connection for main current circuit type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to IEC  IP20  In 0000 A  10000 A  10000 A  100000 A  100	Short-circuit protection	
conditional short-circuit current (Iq)  • at 690 V according to IEC 60947-4-1 rated value  • at 400 V according to IEC 60947-4-1 rated value  • at 500 V according to IEC 60947-4-1 rated value  • at 500 V according to IEC 60947-4-1 rated value  Installation/ mounting/ dimensions  mounting position  fastening method  height  200 mm  depth  required spacing  • for grounded parts  — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — ownwards — own	product function short circuit protection	Yes
at 690 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value 100 000 A  Installation/ mounting/ dimensions  mounting position  fastening method for snapping onto 60 mm busbar systems  height 200 mm  width 40pth 155.1 mm  required spacing  of or grounded parts for grounded parts for wards	design of the short-circuit trip	magnetic
at 400 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value 100 000 A  Installation/ mounting/ dimensions  mounting position  fastening method height width depth 155.1 mm  required spacing  of or grounded parts — forwards — upwards — at the side — downwards — backwards — backwards — of orlive parts — forwards — ownwards — to wards — backwards — at the side — downwards — backwards — upwards — to five parts — forwards — backwards — to mm  of or live parts — forwards — backwards — upwards — to mm  of or live parts — forwards — to mm  ownwards — to mm  ownwards — to mm  ownwards — to mm  ownwards — otherwise — otherwise  ownwards — otherwise — otherwise  ownwards — to mm  ownwards — otherwise  ownwards — o	conditional short-circuit current (Iq)	
• at 500 V according to IEC 60947-4-1 rated value  Installation/ mounting / dimensions  mounting position fastening method for snapping onto 60 mm busbar systems  height 200 mm  width 90 mm  depth 155.1 mm  required spacing  • for grounded parts  — forwards 0 mm  — backwards 0 mm  — at the side 9 mm  • for live parts  — forwards 0 mm  • for live parts  — forwards 0 mm  • for live parts  — towards 0 mm  • to packwards 0 mm  — at the side 9 mm  Connections/ Terminals  type of electrical connection for main current circuit  type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded 0.5 4 mm², 2x (0.75 2.5 mm²)  at AWG cables for main contacts finely stranded with core end processing  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 protection class IP on the front according to IEC IP20	<ul> <li>at 690 V according to IEC 60947-4-1 rated value</li> </ul>	10 000 A
mounting position vertical fastening method for snapping onto 60 mm busbar systems height 200 mm width 90 mm  depth 155.1 mm  required spacing  • for grounded parts  — forwards 0 mm  — backwards 0 mm  — at the side 9 mm  • for live parts  — forwards 0 mm  • for live parts  — torwards 0 mm  • for live parts  — torwards 0 mm  • for live parts  — torwards 10 mm  • for live parts  — torwards 9 mm  • for abackwards 10 mm  • for live parts  — torwards 9 mm  • backwards 10 mm  • backwards 10 mm  • tor onwards 10 mm  • to rowards 10 mm  — at the side 9 mm  Connections/ Terminals  type of electrical connection for main current circuit type of connectable conductor cross-sections  • for main contacts stranded 10.5 4 mm², 2x (0.75 2.5 mm²)  • at AWG cables for main contacts finely stranded with core end processing  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 proportion of dangerous failures with high demand rate according to SN 31920 protection class IP on the front according to IEC IP20	<ul> <li>at 400 V according to IEC 60947-4-1 rated value</li> </ul>	153 000 A
mounting position fastening method height width depth 155.1 mm  required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — upwards — backwards — upwards — at the side — downwards • for live parts — for live parts — for live parts — at the side — upwards — upwards — upwards — upwards — upwards — the side — downwards — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts finely stranded with core end processing  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 proportion of dangerous failures with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to IEC	<ul> <li>at 500 V according to IEC 60947-4-1 rated value</li> </ul>	100 000 A
mounting position fastening method height width depth 155.1 mm  required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — upwards — backwards — upwards — at the side — downwards • for live parts — for live parts — for live parts — at the side — upwards — upwards — upwards — upwards — upwards — the side — downwards — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections • for main contacts stranded • at AWG cables for main contacts finely stranded with core end processing  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 proportion of dangerous failures with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to IEC	Installation/ mounting/ dimensions	
fastening method   for snapping onto 60 mm busbar systems   height   200 mm   width   90 mm   depth   155.1 mm     155.1 mm     155.1 mm	-	vertical
Meight   Width   90 mm   90 mm   155.1 mm		for snapping onto 60 mm busbar systems
width     90 mm       depth     155.1 mm       required spacing     155.1 mm       of or grounded parts     0 mm       — backwards     0 mm       — upwards     20 mm       — at the side     9 mm       — downwards     10 mm       • for live parts     0 mm       — backwards     0 mm       — upwards     20 mm       — downwards     10 mm       — at the side     9 mm       Connections/ Terminals       type of electrical connection for main current circuit     screw-type terminals       type of connectable conductor cross-sections     6 or main contacts stranded     0.5 4 mm², 2x (0.75 2.5 mm²)       • at AWG cables for main contacts     2x (20 16), only for contactor 2x (18 14), 2x 12       connectable conductor cross-section for main contacts finely stranded with core end processing     0.5 2.5 mm²       Safety related data     1 000 000       B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 protection class IP on the front according to IEC     IP20		
required spacing  • for grounded parts  — forwards  — backwards  — upwards  — at the side  — downwards  • for live parts  — forwards  — o mm  • for live parts  — forwards  — upwards  — upwards  — backwards  — upwards  — backwards  — upwards  — downwards  — upwards  — downwards  — downwards  — at the side  9 mm  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded  • at AWG cables for main contacts  finely stranded with core end processing  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  protection class IP on the front according to IEC		90 mm
• for grounded parts  — forwards — backwards — upwards — upwards — at the side — downwards — for live parts — forwards — backwards — o mm  • for live parts — forwards — upwards — upwards — upwards — upwards — downwards — upwards — at the side — at the side — of mm  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections — of main contacts stranded — at AWG cables for main contacts finely stranded with core end processing  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 protection class IP on the front according to IEC  I mm  O mm  O mm  O mm  O mm  Screw-type terminals  screw-type terminals  value (0.75 2.5 mm²)  2x (20 16), only for contactor 2x (18 14), 2x 12  O.5 2.5 mm²  1 000 000  73 %	depth	155.1 mm
— forwards — backwards — upwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — backwards — upwards — upwards — upwards — downwards — upwards — at the side — downwards — upwards — at the side — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded • at AWG cables for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC  IP20	required spacing	
backwards upwards upwards at the side downwards downwards for live parts forwards backwards backwards upwards upwards downwards upwards downwards at the side downwards at the side at the s	<ul> <li>for grounded parts</li> </ul>	
- upwards 20 mm - at the side 9 mm - downwards 10 mm  • for live parts - forwards 0 mm - backwards 0 mm - upwards 20 mm - downwards 10 mm - at the side 9 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections • for main contacts stranded 0.5 4 mm², 2x (0.75 2.5 mm²) • at AWG cables for main contacts 2x (20 16), only for contactor 2x (18 14), 2x 12  connectable conductor cross-section for main contacts finely stranded with core end processing  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 protection class IP on the front according to IEC IP20	— forwards	0 mm
- at the side 9 mm - downwards 10 mm  • for live parts - forwards 0 mm - backwards 0 mm - upwards 20 mm - downwards 10 mm - at the side 9 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections • for main contacts stranded 0.5 4 mm², 2x (0.75 2.5 mm²) • at AWG cables for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC IP20	— backwards	0 mm
- downwards  • for live parts  - forwards  - backwards  0 mm  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded  • at AWG cables for main contacts  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC    O mm    O mm   O manually out of the side	— upwards	20 mm
● for live parts  — forwards — backwards — upwards — downwards — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections ● for main contacts stranded ● at AWG cables for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC  O mm  O mm  O mm  Screw-type terminals  screw-type terminals  2 x (20 16), only for contactor 2x (18 14), 2x 12  0.5 2.5 mm²  1 000 000  73 %  I 000 000  Proportion of dangerous failures with high demand rate according to SN 31920  Protection class IP on the front according to IEC	— at the side	9 mm
- forwards 0 mm - backwards 20 mm - upwards 20 mm - downwards 10 mm - at the side 9 mm   Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections  • for main contacts stranded 0.5 4 mm², 2x (0.75 2.5 mm²)  • at AWG cables for main contacts 2x (20 16), only for contactor 2x (18 14), 2x 12  connectable conductor cross-section for main contacts finely stranded with core end processing  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 protection class IP on the front according to IEC IP20	— downwards	10 mm
- backwards - upwards - downwards - at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded • at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC  p mm  10 mm  5 mm  5 crew-type terminals  6 crew-type terminals  7 c	for live parts	
- upwards - downwards - at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections	— forwards	0 mm
- downwards - at the side 9 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections	— backwards	0 mm
— at the side 9 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections  • for main contacts stranded 0.5 4 mm², 2x (0.75 2.5 mm²)  • at AWG cables for main contacts 2x (20 16), only for contactor 2x (18 14), 2x 12  connectable conductor cross-section for main contacts finely stranded with core end processing  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 protection class IP on the front according to IEC IP20	— upwards	20 mm
type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded  • at AWG cables for main contacts  connectable conductor cross-section for main contacts  connectable conductor cross-section for main contacts  finely stranded with core end processing  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  protection class IP on the front according to IEC  screw-type terminals  0.5 4 mm², 2x (0.75 2.5 mm²)  2x (20 16), only for contactor 2x (18 14), 2x 12  0.5 2.5 mm²  1 000 000  1 000 000  1 000 000  1 000 000	— downwards	10 mm
type of electrical connection for main current circuit  type of connectable conductor cross-sections  • for main contacts stranded  • at AWG cables for main contacts  connectable conductor cross-section for main contacts  finely stranded with core end processing  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  protection class IP on the front according to IEC  screw-type terminals  0.5 4 mm², 2x (0.75 2.5 mm²)  2x (20 16), only for contactor 2x (18 14), 2x 12  0.5 2.5 mm²  1 000 000  1 000 000  1 000 000  1 000 000	— at the side	9 mm
type of connectable conductor cross-sections  • for main contacts stranded  • at AWG cables for main contacts  connectable conductor cross-section for main contacts finely stranded with core end processing  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 protection class IP on the front according to IEC  0.5 4 mm², 2x (0.75 2.5 mm²)  2x (20 16), only for contactor 2x (18 14), 2x 12  0.5 2.5 mm²  1 000 000  1 000 000  73 %	Connections/ Terminals	
<ul> <li>for main contacts stranded</li> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts finely stranded with core end processing</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures with high demand rate according to SN 31920</li> <li>protection class IP on the front according to IEC</li> <li>0.5 4 mm², 2x (0.75 2.5 mm²)</li> <li>0.5 2.5 mm²</li> <li>1 0.00 000</li> <li>1 000 000</li> <li>73 %</li> </ul>	type of electrical connection for main current circuit	screw-type terminals
<ul> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts finely stranded with core end processing</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures with high demand rate according to SN 31920</li> <li>protection class IP on the front according to IEC</li> <li>2x (20 16), only for contactor 2x (18 14), 2x 12</li> <li>0.5 2.5 mm²</li> <li>1 000 000</li> <li>73 %</li> </ul>	type of connectable conductor cross-sections	
connectable conductor cross-section for main contacts finely stranded with core end processing  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 % according to SN 31920 IP20	<ul> <li>for main contacts stranded</li> </ul>	0.5 4 mm², 2x (0.75 2.5 mm²)
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  protection class IP on the front according to IEC  IP20	at AWG cables for main contacts	2x (20 16), only for contactor 2x (18 14), 2x 12
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  protection class IP on the front according to IEC IP20		0.5 2.5 mm <sup>2</sup>
B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC  IP20		
proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC  IP20		
according to SN 31920  protection class IP on the front according to IEC  IP20		
	according to SN 31920	73 %
		IP20

Certificates/ approvals

## **General Product Approval**

For use in hazardous locations Declaration of Conformity



Confirmation



EAC





Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Railway









Confirmation

Vibration and Shock

## **Further information**

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=3RA2210-1BD15-2AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1BD15-2AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1BD15-2AK6

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

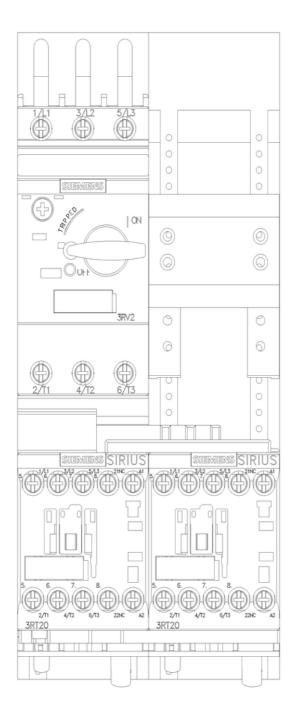
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2210-1BD15-2AK6&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1BD15-2AK6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-1BD15-2AK6&objecttype=14&gridview=view1



last modified: 12/29/2021 🖸