## SIEMENS

## Data sheet

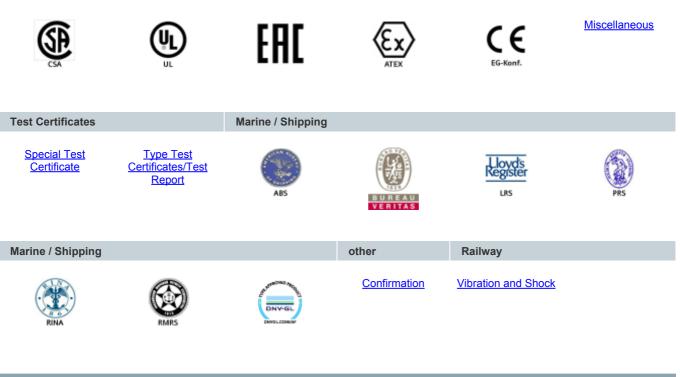
## 3RA2110-1DE15-1BB4



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S00 2.20...3.20 A 24 V DC Spring-type terminal for installation on standard mounting rail (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 standard rail or screw mounting		
product type designation	3RA21		
manufacturer's article number			
<ul> <li>of the supplied contactor</li> </ul>	3RT2015-2BB41		
<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2011-1DA20		
<ul> <li>of the supplied link module</li> </ul>	3RA2911-2AA00		
General technical data			
size of the circuit-breaker	S00		
size of load feeder	S00		
insulation voltage with degree of pollution 3 at AC rated value	690 V		
surge voltage resistance rated value	6 kV		
shock resistance acc. to IEC 60068-2-27	6g / 11 ms		
mechanical service life (switching 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		
Substance Prohibitance (Date)	01.10.2009 00:00:00		
Ambient conditions			
<ul> <li>ambient temperature during operation</li> </ul>	-20 +60 °C		
ambient temperature during storage	-50 +80 °C		
ambient temperature 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	2.2 3.2 A		
<ul> <li>operating voltage rated value</li> </ul>	690 V		
<ul> <li>operating voltage at AC-3 rated value maximum</li> </ul>	690 V		
operating frequency rated value	50 60 Hz		
operational current at AC-3 at 400 V rated value	2.7 A		

operating power at AC-3         100 W           Centrol supply voltage at DC         0C           • raide Value         DC           • raide value         24 V           • holding power of magnet coll at DC         4W           Awainary circuit         Product actavity of magnet coll at DC           • raide value         24 V           holding power of magnet coll at DC         4W           Awainary circuit         Product actavity of magnet coll at DC           # Avainary circuit         Yes           Product actavity of the overload release         Ubmetallic)           UL/SA ratings         CLASS 10           design of the overload release         thermal (bimetallic)           UL/SA ratings         32.A           yielded metchnical performance (Pp)         • for 3-phase AC motor           - at 420/208 V rated value         0.5 hp           - at 45004208 V rated value         2.hp           Short-circuit protection         Product function short circuit current (Lip)           - at 45004208 V rated value         1.5 hp           - at 400 V acc. to IEC 60947.4.1 rated value         150 000 A           Installion/ mounting polition         verical           feating method         screw and anapon mounting onto 35 mm standard mounting rail		_					
Control circuit/ Control supply voltage         DC           Tride value         24 V           • rated value         94 V           • rated value         0.5 hp           • at 480 V rated value         0.5 hp           • at 480 V rated value         0.5 hp           • at 480 V rated value         1.5 hp           • at 480 V rated value         1.5 hp           • at 5000 V rated value         1.5 hp           • at 600480 V rated value         1.5 hp           • at 600470 V rated value         1.5 000 V rated value           • at 600 V rated value         1.5 hp           • at 600 V rated value         1.5 000 V rated value           • for appendix functions short circuit trip         magnetic           conditional short circuit trip         magnetic           conditional short circuit trip         magnetic	operating power at AC-3						
type of voltage of the control supply voltage         DC           control supply voltage at DC         + rated value         24 V           holding power of magnet coil at DC         4 W           Availlary clock         4 W           Availlary clock         4 W           Protective and monitoring functions         trip class           CLASS 10         thermal (bimetallic)           ULCSA natings         thermal (bimetallic)           ULCSA natings         1           full-code current (FLA) for 3-phase AC motor         • at 480 V rated value           - at 4200/208 V rated value         0.5 hp           - at 4201/201209 V rated value         0.5 hp           - at 4201/201209 V rated value         1.5 hp           - at 4201/20120 V rated value         1.5 hp           - at 4201/20120 V rated value         150 000 A           Installation mounting dimensions         magnetic           mounting former (fL)         160 000 A           Installation mounting of dimensions         vertical           mounting position         vertical           - at 400 V acc: bit EC 60947-41 rated value         150 000 A           Installation mounting of dimensions         vertical           mounting position         vertical           - at 400	at 400 V rated value	1 100	) W				
A control supply voltage at DC         24 V                • rated value          24 V           holding power of magnet coil at DC         4 W           Auxiliary circuit          Product extension auxillary switch           Product extension auxillary switch         Yes           Itilicad current (FLA) for 3-phase AC motor         0.5 hp           - at 4200/2008 V rated value         0.5 hp           - at 420/2009 V rated value         1.5 hp           - at 420/2009 V rated value         1.5 hp           - at 420/2009 V rated value         1.6 hp           - at 420/2009 V rated value         1.6 hp           - at 420/2009 V rated value         1.6 hp           - at 420/400 V rated value         1.6 hp           - at 4200/2004 V rated value         1.6 hp           - at 4200/2004 V rated value         1.6 hp           - at 4200/2004 V rated value         1.6 hp           co	Control circuit/ Control						
erided value         24 V           holding power of magnet coil at DC         4 W           Availary servett         Product extension availary switch         Yes           Product extension availary switch         Yes           Protective and monitoring functions         Uters and intermal (bimetallic)         Uters and intermal (bimetallic)           ULCSA ratios         0LASS 10         thermal (bimetallic)         Uters and intermal (bimetallic)           ULCSA ratios         0.5 hp         -         -         -           i at 400 Virted value         0.5 hp         -         -         -           - at 200200 Virted value         0.5 hp         -         -         -         -           - at 200200 Virted value         1.5 hp         - <td< td=""><td></td><td>DC</td><td></td><td></td></td<>		DC					
holding power of magnet coil at DC         4 W           Auxiliary circuit         module distance and monitoring functions           product existion auxiliary switch         Yes           Protective and monitoring functions         CLASS 10           thip class         CLASS 10           design of the overload release         themat (bimetallic)           ULCSA ratings         CLASS 10           full-load current (FLA) for 3-phase AC motor         - at 4800 Y relet value           - at 200208 V rated value         0.5 hp           - at 400480 V rated value         0.5 hp           - at 400480 V rated value         1.5 hp           - at 400480 V rated value         2.4 Montower (class and class and	control supply voltage at DC						
Auxiliary circuit         Yes           Product extension auxiliary switch         Yes           Protective and honitoring functions         CLASS 10           trip class         CLASS 10           design of the overload release         thermal (bimetallic)           UL/CSA ratings         Tuil-load current (FLA) for 3-phase AC motor           • at 4200 Virated value         0.5 hp           - at 2002030 V rated value         0.5 hp           - at 2002030 V rated value         0.5 hp           - at 420/480 V rated value         1.5 hp           - at 420/480 V rated value         1.5 hp           - at 420/480 V rated value         1.5 hp           - at 40/480 V rated value         1.5 hp           - at 400 V rate value         1.5 hp           - at 400 V rated value         1.5 hp           - at 400 V rate V rated value         1.5 hp           - at 400 V rate V rated value         1.5 0000 A           - fordering method         rearew and snap-on mounting onto 35 mm standard mounting ratil           height         1.96 mn           wording acowards         0 mm <tr< td=""><td>rated value</td><td>24 V</td><td></td><td></td></tr<>	rated value	24 V					
product extension auxiliary switch         Yes           Protective and monitoring functions         trip class         CLASS 10           tip class         CLASS 10         termal (bimetallic)           ULCSA ratings         full-load current (FLA) for 3-phase AC motor         a 2.4           • at 480 V rated value         3.2 A         yielded mechanical performance (hp)           • for 3-phase AC motor         -         a 220/230 V rated value         0.5 hp           - at 220/230 V rated value         0.75 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           - at 450/480 V rated value         1.5 hp         -         -           conditional short-circuit turnent (ng)         -         -         -           conditional short-circuit	holding power of magnet coil at DC	4 W					
Protective and monitoring functions         CLASS 10           trip class         CLASS 10           design of the overload release         thermal (bimetallic)           ULCSA ratings         full-load current (FLA) for 3-phase AC motor           • at 4400 V rated value         32.A           yielded mechanical performance (hp)         • 0.5 hp           • 1.6 420/2030 V rated value         0.5 hp           - at 220/230 V rated value         0.75 hp           - at 220/230 V rated value         2.hp           Short-circuit protection         Yes           product function short circuit protection         Yes           design of the short-circuit trip         magnetic           conditional short-circuit tring(lq)         • etal 400 V acc. to IEC 60047.4-1 rated value         150 000.A           installation/ mounting / dimensions         vertical         screw and snap-on mounting onto 35 mm standard mounting rall           mounting position         vertical         screw and snap-on mounting onto 35 mm standard mounting rall           height         198 mm         vertical         screw and snap-on mounting onto 35 mm standard mounting rall           installation/ mounting rall         screw and snap-on mounting onto 35 mm standard mounting rall         screw and snap-on mounting onto 35 mm standard mounting rall           width         45 mm<	Auxiliary circuit						
trip class         CLASS 10           design of the overload release         tittermal (bimetallic)           UUCSA ratios            full-load current (FLA) for 3-phase AC motor         32 A           • at 480 V rated value         32 A           yielded mechanical performance (hp)         0.5 hp           • at 220/230 V rated value         0.5 hp           - at 220/230 V rated value         1.5 hp           - at 220/230 V rated value         1.5 hp           - at 450/480 V rated value         1.5 hp           - at 450/480 V rated value         1.5 hp           - at 55/600 V rated value         2.hp           Short-circuit protection         magnetic           conditional short-circuit turp         magnetic           conditional short-circuit turent (lq)         •at 400 V acc. to IEC 60047-4-1 rated value           istaliation/ mounting/ dimensions         vertical           mounting position         vertical           field th         198 mn           • for grounded parts         -           - forwards         20 mm           - at the side         20 mm           - downwards         10 mm           - downwards         0 mm           - dowarwards         0 mm <tr< td=""><td>product extension auxiliary switch</td><td>Yes</td><td></td><td></td></tr<>	product extension auxiliary switch	Yes					
design of the overload release         Ithermal (bimetallic)           ULCSA ratings         Ithelead current (FLA) for 3-phase AC motor         3.2 A           • if all-bod current (FLA) for 3-phase AC motor         3.2 A           • if all-bod current (FLA) for 3-phase AC motor         - at 200/208 V rated value         0.5 hp           - at 200/208 V rated value         0.5 hp         - at 200/208 V rated value         1.5 hp           - at 460/480 V rated value         1.5 hp         - at 575/600 V rated value         2 hp           Short-circuit protection         Yes         - at 575/600 V rated value         15 hp           - at 575/600 V rated value         1.5 hp         - at 575/600 V rated value         - at 500/208 V rated value           - at 450/480 V rated value         150 000 A         - magnetic         - conditional short-circuit trip           conditional short-circuit current (tq)         • at 400 V acc, to ICC 60947-4-1 rated value         150 000 A         - magnetic           mounting position         vertical         screw and snap-on mounting onto 35 mm standard mounting rail         - haight           hoight         198 mm         - forwards         20 mm         - backwards         0 mm           - backwards         0 mm         - backwards         0 mm         - backwards         0 mm         - backwards         <	Protective and monitoring functions						
ULCSA ratings           full-load current (FLA) for 3-phase AC motor           • at 480 V rated value           yielded mechanical performance [hp]           • for 3-phase AC motor           - at 20/0208 V rated value           - at 20/0208 V rated value           - at 400/480 V rated value           - at 400/480 V rated value           - at 575/600 V rated value           2 hp           Short-circuit protection           product function short circuit protection           vertical           design of the short-circuit trip           mounting voltac: to EC 60497-41 rated value           - at 400 value           - at 575/600 V rated value           - at 575/600 V rated value           - at 575/600 V rated value           - at 575/600 V rate va	trip class	CLAS	SS 10				
full-load current (FLA) for 3-phase AC motor         32.A           • el 480 V rated value         32.A           yielded mechanical performance (hp)         0.5 hp           - at 200/208 V rated value         0.5 hp           - at 460/400 V rated value         1.5 hp           - at 460/400 V rated value         1.5 hp           - at 4575/600 V rated value         1.5 hp           - at 575/600 V rated value         1.5 hp           read of the short-circuit trip         magnetic           conditional short-circuit current (lq)         • it 400 V acc. to IEC 60947-4-1 rated value           • it 400 V acc. to IEC 60947-4-1 rated value         150 000 A           Installation/mounting/dimensions         vertical           mounting position         vertical           fastening method         screw and snap-on mounting onto 35 mm standard mounting rall           height         198 mm           width         45 mm           depth         97 mm           required spacing         0 mm           • for grounded parts         0 mm           - forwards         0 mm           - downards         10 mm           • ord wards         0 mm           - downards         0 mm           - downards         0 mm </td <td>design of the overload release</td> <td>thern</td> <td>nal (bimetallic)</td> <td></td>	design of the overload release	thern	nal (bimetallic)				
• el 480 V rated value     3.2 A       yielded mechanical performance [hp]     • for 3-phase AC motor       - at 2002208 V rated value     0.5 hp       - at 200230 V rated value     0.75 hp       - at 460/480 V rated value     1.5 hp       - at 4576/800 V rated value     2 hp       Short-circuit protection     Yes       design of the short-circuit trip     magnetic       conditional short-circuit cornet (lq)     150 000 A       • at 400 V ace. to IEC 60947-4-1 rated value     150 000 A       Installation/ mounting/ dimensions     vertical       mounting position     vertical       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail       height     198 mm       width     45 mm       depth     97 mm       required spacing     0 mm       • forwards     20 mm       - at the side     20 mm       - downwards     10 mm       • for live parts     0 mm       - downwards     20 mm       - at the side     20 mm       - downwards     0 mm       - at the side     20 mm       - downwards     0 mm       - at the side     20 mm       - downwards     0 mm       - at the side     20 mm       - downwa	UL/CSA ratings						
vielded mechanical performance [hp] <ul> <li>for 3-phase AC motor</li> <li>der 3-200208 V rated value</li> <li>0.5 hp</li> <li>at 220230 V rated value</li> <li>0.5 hp</li> <li>at 480480 V rated value</li> <li>1.5 hp</li> <li>2.4 480480 V rated value</li> <li>2.5 hp</li> <li>Short-circuit protection</li> <li>Yes</li> <li>magnetic</li> <li>conditional short-circuit protection</li> <li>Yes</li> <li>magnetic</li> <li>conditional short-circuit current (d)</li> <li>at 400 V acc. to IEC 60947-4.1 rated value</li> <li>150 000 A</li> <li>mounting position</li></ul>	full-load current (FLA) for 3-phase AC motor						
• for 3-phase AC motor         0.5 hp           - at 200203 V rated value         0.5 hp           - at 20023 V rated value         0.75 hp           - at 460/480 V rated value         1.5 hp           - at 575/600 V rated value         2 hp           Short-circuit protection         Yes           magnetic         conditional short-circuit trip           conditional short-circuit trent (dg)         • at 400 V acc. to IEC 60947-4-1 rated value           • at 400 V acc. to IEC 60947-4-1 rated value         150 000 A           Installation/ mounting/ dimensions         vertical           mounting position         screw and snap-on mounting onto 35 mm standard mounting rail           height         198 mm           width         45 mm           dopth         97 mm           required spacing         • for grounded parts           - forwards         20 mm           - at the side         20 mm           - downwards         10 mm           - forwards         20 mm           - downwards         20 mm           - downwards         10 mm           - downwards         20 mm           - downwards         20 mm           - downwards         20 mm           - downwards	<ul> <li>at 480 V rated value</li> </ul>	3.2 A					
- at 200/208 V rated value     0.5 hp       - at 220/230 V rated value     0.75 hp       - at 20/230 V rated value     1.5 hp       - at 575/600 V rated value     2 hp       Short-circuit protection     Yes       design of the short-circuit protection     Yes       orditional short-circuit trip     magnetic       conditional short-circuit current (lq)     150 000 A       i et 40 V ac. to IEC 60947.4-1 rated value     150 000 A       Installation/ mounting/dimensions     vertical       mounting position     screw and snap-on mounting onto 35 mm standard mounting rail       height     198 mm       width     45 mm       depth     97 mm       required spacing     0 mm       • for grounded parts     0 mm       - forwards     20 mm       - at the side     20 mm       - downards     10 mm       - otowards     0 mm       - downards     20 mm       - backwards     0 mm       - at the side     20 mm       - at the side     20 mm       - backwards     0 mm       - downwards     10 mm       - at the side     20 mm       - at the side     20 mm       - backwards     0 mm       - at the side     20 mm    <	yielded mechanical performance [hp]						
	<ul> <li>for 3-phase AC motor</li> </ul>						
	— at 200/208 V rated value	0.5 h	р				
	— at 220/230 V rated value						
	— at 460/480 V rated value	1.5 h	р				
product function short circuit protection         Yes           design of the short-circuit trip         magnetic           conditional short-circuit trip         150 000 A           Installation/ mounting/ dimensions         vertical           mounting position         vertical           fastening method         198 mm           height         198 mm           width         45 mm           depth         97 mm           required spacing         0 mm           - forwards         20 mm           - at the side         20 mm           - downwards         10 mm           - forwards         20 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         20 mm           20 mm <td>— at 575/600 V rated value</td> <td colspan="4"></td>	— at 575/600 V rated value						
design of the short-circuit trip         magnetic           conditional short-circuit current (Iq)         150 000 A           Installation mounting dimensions         vertical           mounting position         vertical           fastening method         screw and snap-on mounting onto 35 mm standard mounting rail           height         198 mm           width         45 mm           depth         97 mm           required spacing         of or grounded parts           - forwards         20 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - oforwards         0 mm           - oforwards         0 mm           - oforwards         0 mm           - oforwards         20 mm           - at the side         20 mm           - at wards         50 mm           - downwards         10 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - downwards         10 mm           - backwards         0 mm           - at the side         20 mm           - at the side <t< td=""><td>Short-circuit protection</td><td></td><td></td><td></td></t<>	Short-circuit protection						
design of the short-circuit trip         magnetic           conditional short-circuit current (Iq)         150 000 A           Installation mounting dimensions         vertical           mounting position         vertical           fastening method         screw and snap-on mounting onto 35 mm standard mounting rail           height         198 mm           width         45 mm           depth         97 mm           required spacing         of or grounded parts           - forwards         20 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - oforwards         0 mm           - oforwards         0 mm           - oforwards         0 mm           - oforwards         20 mm           - at the side         20 mm           - at wards         50 mm           - downwards         10 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - downwards         10 mm           - backwards         0 mm           - at the side         20 mm           - at the side <t< td=""><td>product function short circuit protection</td><td>Yes</td><td></td><td></td></t<>	product function short circuit protection	Yes					
conditional short-circuit current (Iq)       150 000 A         Installation/ mounting/ dimensions       vertical         mounting position       vertical         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       198 mm         width       45 mm         depth       97 mm         required spacing       6 mm            • for grounded parts       0 mm            - backwards       0 mm            - upwards       20 mm            - at the side       20 mm            - downwards       10 mm            • for live parts       20 mm            - downwards       10 mm            • downwards       10 mm            • downwards       10 mm            - downwards       10 mm            - downwards       10 mm            - at the side       20 mm            - downwards       10 mm            - at the side       20 mm            - downwards       10 mm            - at the side       20 mm            - at the side       20 mm            - backwards       10 mm </td <td></td> <td>magi</td> <td>netic</td> <td></td>		magi	netic				
Installation/ mounting/ dimensions         vertical           mounting position         screw and snap-on mounting onto 35 mm standard mounting rail           height         198 mm           width         45 mm           depth         97 mm           required spacing         •           - forwards         20 mm           - backwards         0 mm           - backwards         0 mm           - at the side         20 mm           - downwards         10 mm           - of rive parts         20 mm           - downwards         10 mm           - forwards         20 mm           - at the side         20 mm           - downwards         10 mm           - forwards         20 mm           - downwards         10 mm           - forwards         20 mm           - downwards         10 mm           - at the side         20 mm           B10 value with high demand rate acc. to SN 31920         1 000 000							
mounting position         vertical           fastening method         screw and snap-on mounting onto 35 mm standard mounting rail           height         198 mm           width         45 mm           depth         97 mm           required spacing         •           • for grounded parts         20 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - downwards         10 mm           • for live parts         -           - forwards         20 mm           - downwards         10 mm           • backwards         0 mm           - backwards         20 mm           - downwards         10 mm           - downwards         20 mm           - downwards         20 mm           - at the side         20 mm           backwards         10 mm           - at the side         20 mm           Estoy related data         spring-loaded terminats           Safety rel	• at 400 V acc. to IEC 60947-4-1 rated value	150 (	150 000 A				
mounting position         vertical           fastening method         screw and snap-on mounting onto 35 mm standard mounting rail           height         198 mm           width         45 mm           depth         97 mm           required spacing         •           • for grounded parts         20 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - downwards         10 mm           • for live parts         -           - forwards         20 mm           - downwards         10 mm           • backwards         0 mm           - backwards         20 mm           - downwards         10 mm           - downwards         20 mm           - downwards         20 mm           - at the side         20 mm           backwards         10 mm           - at the side         20 mm           Estoy related data         spring-loaded terminats           Safety rel	Installation/ mounting/ dimensions						
fastening method     screw and snap-on mounting onto 35 mm standard mounting rail       height     198 mm       width     45 mm       depth     97 mm       required spacing     97 mm       • for grounded parts     20 mm       — backwards     0 mm       — upwards     50 mm       — at the side     20 mm       — downwards     10 mm       • for live parts     -       — forwards     20 mm       — downwards     10 mm       • for live parts     -       — forwards     20 mm       — downwards     10 mm       • for live parts     -       — downwards     10 mm       - backwards     0 mm       - upwards     50 mm       - at the side     20 mm       B10 value with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures     73 %       with high demand rate acc. to SN 31920     73 %       touch protection on the front acc. to IEC 60529     finger-safe, for vertical contact from the front       Certificates/ approvals <td></td> <td colspan="5">vertical</td>		vertical					
height     198 mm       width     45 mm       depth     97 mm       required spacing     97 mm       • for grounded parts     97 mm       - forwards     20 mm       - backwards     0 mm       - upwards     50 mm       - downwards     10 mm       • for live parts     20 mm       - forwards     20 mm       - downwards     10 mm       • for live parts     20 mm       - backwards     0 mm       - backwards     0 mm       - backwards     0 mm       - downwards     10 mm       - backwards     0 mm       - at the side     20 mm       Safety related data     50 mm       B10 value with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures     73 %       • with high demand rate acc. to SN 31920     73 %       touch protection on the front acc. to IEC 60529     finger-safe, for vertical contact from the front       Certificates/ approvals     For use in hazardous <td< td=""><td></td><td colspan="4"></td></td<>							
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     10 mm       - forwards     20 mm       - downwards     10 mm       • for live parts     20 mm       - backwards     0 mm       - upwards     50 mm       - backwards     0 mm       - upwards     50 mm       - backwards     0 mm       - upwards     50 mm       - downwards     10 mm       - at the side     20 mm       Connections/ Terminals     20 mm       type of electrical connection     spring-loaded terminals       Safety related data     1000 000       Proportion of dangerous failures     1 000 000       • with high demand rate acc. to SN 31920     1 3%       touch protection on the front acc. to IEC 60529     firger-safe, for vertical contact from the front       Central Product Approval     For use in hazardous     Declaration of Conformity							
required spacing <ul> <li>for grounded parts</li> <li>for wards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>20 mm</li> <li>backwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>at the side</li> <li>20 mm</li> <li>at the side</li> <li>20 mm</li> <li>connections/ Terminals</li> <li>type of electrical connection             <ul> <li>for main current circuit</li> <li>spring-loaded terminals</li> </ul> </li> <li>Safety related data</li> <li>B10 value with high demand rate acc. to SN 31920</li> <li>1 000 000</li> <li>proportion of dangerous failures</li> <li>with high demand rate acc. to SN 31920</li> <li>73 %</li> <li>touch protection on the front acc. to IEC 60529</li> <li>finger-safe, for vertical contact from the front</li> <li>Certificates/ approvals</li> </ul>		45 mm					
• for grounded parts         20 mm           - forwards         0 mm           - backwards         0 mm           - upwards         50 mm           - at the side         20 mm           - at the side         20 mm           - at the side         20 mm           - backwards         10 mm           • for live parts         -           - forwards         20 mm           - backwards         0 mm           - backwards         0 mm           - upwards         50 mm           - upwards         50 mm           - downwards         10 mm           - at the side         20 mm           Connections/ Terminals         50 mm           type of electrical connection         0 mm           • for main current circuit         spring-loaded terminals           Safety related data         1000 000           proportion of dangerous failures         1 000 000           • with high demand rate acc. to SN 31920         73 %           touch protection on the front acc. to IEC 60529         finger-safe, for vertical contact from the front           Certificates/ approvals         For use in hazardous         Declaration of Conformity <td>depth</td> <td colspan="5">97 mm</td>	depth	97 mm					
<ul> <li>forwards</li> <li>backwards</li> <li>mm</li> <li>upwards</li> <li>at the side</li> <li>20 mm</li> <li>at the side</li> <li>20 mm</li> <li>downwards</li> <li>10 mm</li> <li>for live parts</li> <li>forwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>at the side</li> <li>0 mm</li> <li>at the side</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>upwards</li> <li>0 mm</li> <li>at the side</li> <li>20 mm</li> <li>connections/ Terminals</li> <li>type of electrical connection         <ul> <li>for main current circuit</li> <li>spring-loaded terminals</li> </ul> </li> <li>Safety related data         <ul> <li>B10 value with high demand rate acc. to SN 31920</li> <li>1 000 000</li> <li>proportion of dangerous failures</li> <li>with high demand rate acc. to IEC 60529</li> <li>finger-safe, for vertical contact from the front</li> </ul> </li> <li>Certificates/ approvals</li> </ul>	required spacing	-					
backwards     0 mm       upwards     50 mm       at the side     20 mm       downwards     10 mm       for live parts     10 mm       for lowards     20 mm       backwards     0 mm       backwards     10 mm       downwards     10 mm       at the side     20 mm       Connections/ Terminals     Toppofe electrical connection       - for main current circuit     spring-loaded terminals       Safety related data     Integration of dangerous failures       - with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures     -       - with high demand rate acc. to IEC 60529     finger-safe, for vertical contact from the front       Certificates/ approvals     For use in hazardous       General Product Approval     Por use in hazardous	<ul> <li>for grounded parts</li> </ul>						
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       upwards     50 mm       downwards     10 mm       at the side     20 mm       Connections/ Terminals     20 mm       Safety related data       B10 value with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures     1 000 000       with high demand rate acc. to SN 31920     73 %       touch protection on the front acc. to IEC 60529       inger-safe, for vertical contact from the front       Certificates/ approvals     For use in hazardous       Declaration of Conformity	— forwards	20 m	m				
at the side     20 mm       downwards     10 mm       • for live parts     20 mm       forwards     20 mm       backwards     0 mm       backwards     0 mm       upwards     50 mm       downwards     10 mm       at the side     20 mm       Connections/ Terminals     10 mm       type of electrical connection     or main current circuit       • for main current circuit     spring-loaded terminals       Safety related data     1000 000       proportion of dangerous failures     1 000 000       • with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures	— backwards	0 mn	0 mm				
downwards     10 mm       • for live parts     20 mm       forwards     20 mm       backwards     0 mm       upwards     50 mm       downwards     10 mm       a the side     20 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals       Safety related data       B10 value with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures       • with high demand rate acc. to SN 31920     73 %       touch protection on the front acc. to IEC 60529     finger-safe, for vertical contact from the front       Certificates/ approvals       For use in hazardous       Declaration of Conformity	— upwards	50 mm					
• for live parts         20 mm           - forwards         20 mm           - backwards         0 mm           - upwards         50 mm           - downwards         10 mm           - at the side         20 mm           Connections/ Terminals         20 mm           type of electrical connection         spring-loaded terminals           safety related data         1000 000           B10 value with high demand rate acc. to SN 31920         1 000 000           proportion of dangerous failures         -           • with high demand rate acc. to IEC 60529         finger-safe, for vertical contact from the front           Certificates/ approvals         For use in hazardous         Declaration of Conformity	— at the side	20 mm					
	— downwards	10 m	10 mm				
<ul> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>at the side</li> <li>20 mm</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>spring-loaded terminals</li> </ul> Safety related data B10 value with high demand rate acc. to SN 31920 <ul> <li>1 000 000</li> <li>proportion of dangerous failures</li> <li>with high demand rate acc. to SN 31920</li> <li>T3 %</li> <li>touch protection on the front acc. to IEC 60529</li> <li>finger-safe, for vertical contact from the front</li> </ul> Certificates/ approvals <ul> <li>For use in hazardous</li> <li>Declaration of Conformity</li> </ul>	<ul> <li>for live parts</li> </ul>						
	— forwards	20 m	20 mm				
downwards     10 mm       at the side     20 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals       Safety related data       B10 value with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures     1000 000       • with high demand rate acc. to SN 31920     73 %       touch protection on the front acc. to IEC 60529     finger-safe, for vertical contact from the front       Certificates/ approvals       For use in hazardous       Declaration of Conformity	— backwards	0 mn	0 mm				
at the side     20 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals       Safety related data       B10 value with high demand rate acc. to SN 31920     1 000 000       proportion of dangerous failures	— upwards	50 m	50 mm				
Connections/ Terminals         type of electrical connection         • for main current circuit         spring-loaded terminals         Safety related data         B10 value with high demand rate acc. to SN 31920         proportion of dangerous failures         • with high demand rate acc. to SN 31920         73 %         touch protection on the front acc. to IEC 60529         finger-safe, for vertical contact from the front         Certificates/ approvals         For use in hazardous         Declaration of Conformity	— downwards	10 m	10 mm				
type of electrical connection       spring-loaded terminals         • for main current circuit       spring-loaded terminals         Safety related data	— at the side	20 m	20 mm				
• for main current circuit         spring-loaded terminals           Safety related data	Connections/ Terminals						
• for main current circuit         spring-loaded terminals           Safety related data	type of electrical connection						
Safety related data         B10 value with high demand rate acc. to SN 31920       1 000 000         proportion of dangerous failures       73 %         • with high demand rate acc. to SN 31920       73 %         touch protection on the front acc. to IEC 60529       finger-safe, for vertical contact from the front         Certificates/ approvals       For use in hazardous       Declaration of Conformity	<ul> <li>for main current circuit</li> </ul>	spring-loaded terminals					
proportion of dangerous failures       73 %         • with high demand rate acc. to SN 31920       73 %         touch protection on the front acc. to IEC 60529       finger-safe, for vertical contact from the front         Certificates/ approvals       For use in hazardous         Declaration of Conformity	Safety related data						
proportion of dangerous failures       73 %         • with high demand rate acc. to SN 31920       73 %         touch protection on the front acc. to IEC 60529       finger-safe, for vertical contact from the front         Certificates/ approvals       For use in hazardous         Declaration of Conformity	B10 value with high demand rate acc. to SN 31920	1 000 000					
• with high demand rate acc. to SN 31920         73 %           touch protection on the front acc. to IEC 60529         finger-safe, for vertical contact from the front           Certificates/ approvals         For use in hazardous           Declaration of Conformity							
touch protection on the front acc. to IEC 60529       finger-safe, for vertical contact from the front         Certificates/ approvals       For use in hazardous         Declaration of Conformity		73 %					
Certificates/ approvals           General Product Approval         For use in hazardous         Declaration of Conformity		finge	finger-safe, for vertical contact from the front				
General Product Approval         For use in hazardous         Declaration of Conformity							
				Declaration of Conformity			



## 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=3RA2110-1DE15-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2110-1DE15-1BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1DE15-1BB4

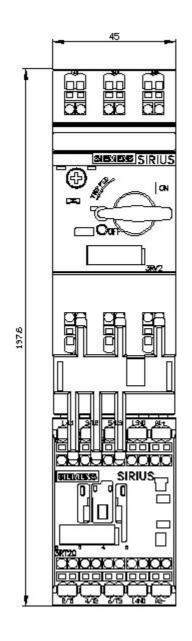
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <u>http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2110-1DE15-1BB4&lang=en</u>

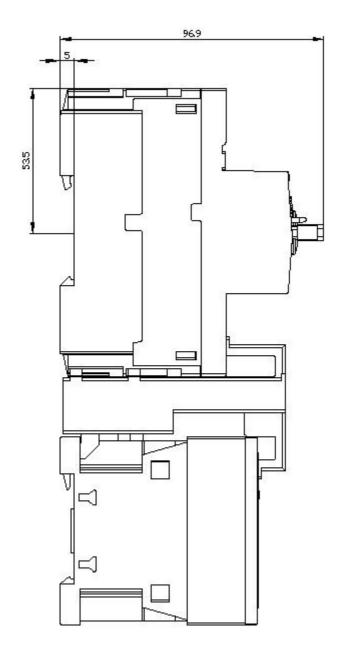
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

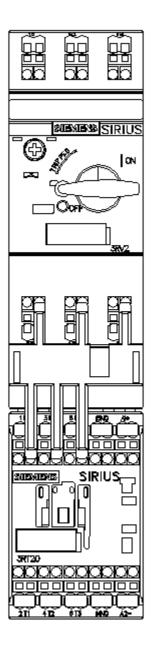
https://support.industry.siemens.com/cs/ww/en/ps/3RA2110-1DE15-1BB4/char

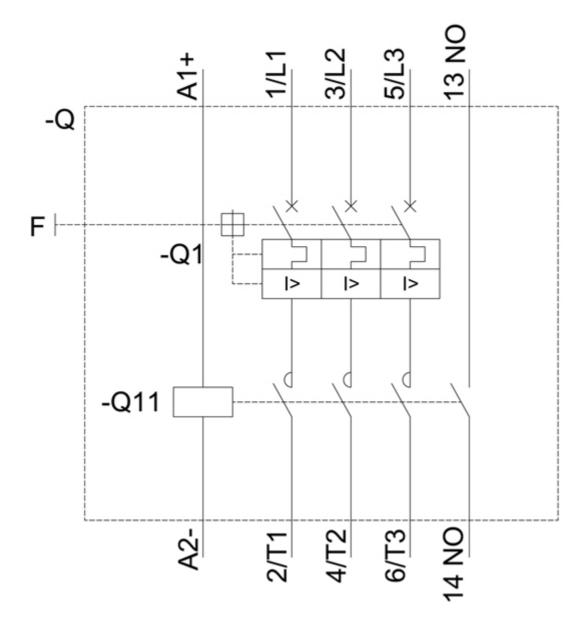
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2110-1DE15-1BB4&objecttype=14&gridview=view1









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12/15/2020 🖸