## SIEMENS

## Data sheet

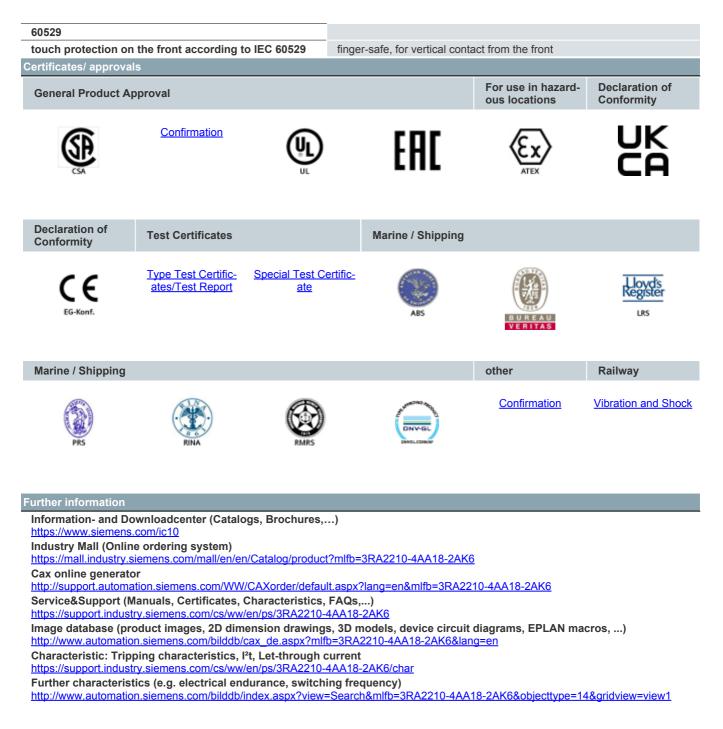
## 3RA2210-4AA18-2AK6



FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S00 10. ...16A, AC 110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 1,IQ = 150KA 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>	<u>3RT2018-1AK62</u>
<ul> <li>of the supplied circuit-breakers</li> </ul>	<u>3RV2011-4AA10</u>
<ul> <li>of the supplied link module</li> </ul>	<u>3RA1921-1DA00</u>
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	1
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
<ul> <li>during storage</li> </ul>	-50 +80 °C
<ul> <li>during transport</li> </ul>	-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	11 16 A
operating voltage	
rated value	690 V
<ul> <li>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	15.5 A
operating power at AC-3	
• at 400 V rated value	7 500 W
• at 500 V rated value	7 500 W
<ul> <li>at 690 V rated value</li> </ul>	11 000 W

control supply voltage at AC         100 V           • at 60 Hz rated value         57 VA           Protective and functions         imman (timetallic)           response value control of instantaneous short-circuit inp         08 A           utclsA rated value         14 A           • at 600 V rated value         14 P           • at 600 V rated value         14 P           • at 600 V rated value         10 Pp           • at 600 V rated value         10 Np           • at 600 V rated value         10 Np           • at 600 V rated value         10 No           • at 600 V ra		
• at 01 bfz relet value         120 V           apparent holding power of magnet coll at AC         5.7 VA           Protoculve aud monitoring functions         CLASS 10           trip class         CLASS 10           design of the overload release         Usernal (binetialite)           response value current of instantaneous short-circuit trip         208 A           ULCSA craines         ULCSA craines           ULCSA craines         14 A           • at 800 V rated value         14 A           • at 800 V rated value         14 A           • at 800 V rated value         1 hp           • at 800 V rated value         2 hp           • at 800 V rated value         3 hp           • at 800 V rated value         3 hp           • at 800 V rated value         1 hop           • at 800 V according to EC 600FT-4-1 rated value         5 000 A           • at 800 V according to EC 600FT-4-1 rated value         5 000 A           • at 800 V acc	control supply voltage at AC	
apparent holding power of magnet coil at AC         5.7 VA           Productive and monitoring functions         5.7 VA           Productive and monitoring functions         CLASS 10           thermal (binetallic)         208 A           response value current of instantaneous short-circuit trip unit         208 A           full-dad current (FLA) for 3-phase AC motor         14 A           - at 400 V rated value         14 A           - at 400 V rated value         14 A           - at 100 V rated value         14 A           - at 200203 V rated value         1 hp           - at 220230 V rated value         1 hp           - at 220230 V rated value         1 hp           - at 220230 V rated value         10 hp           - at 40400 V rated value         10 hp           - at 40400 V rated value         10 hp           - at 40400 V rated value         10 hp           - at 406040 V rated value         10 hp           - at 50 V according to IEC 6047-4 1 rated value         5000 A           - at 500 V according to IEC 6047-4 1 rated value         5000 A           - forwards         0 m		
Problems         UNLESS 10           design of the overload release         OLASS 10           response value current (FLA) for 3-phase AC motor         14 A           1 40 V rated value         14 A           • at 60 V rated value         2 hp           • for 3-phase AC motor         1           • at 2002028 V rated value         10 hp           • at 460440 V rated value         10 hp           • at 460440 V rated value         10 hp           • at 460440 value         10 hp           • at 600 V accounting hot EC 6047-4-1 rated value         5000 A           • at 600 V accounting hot EC 6047-4-1 rated value         5000 A           • at 600 V accounting hot EC 6047-4-1 rated value         5000 A           • at 600 V accounting hot EC 6047-4-1 rated value         5000 A           • at 600 V accounting hot EC 6047-4-1 rated value         5000 A           • at 600 V accounting hot EC 6047-4-1 rated value         5000		120 V
Trip class         CLASS 10           design of the overload release         themail (binetallic)           out and value current of institutaneous short-circuit trip         200 A           ULCESA ratings         11 A           Vided accorent (FLA) for 3-phase AC motor         14 A           • at 400 V rated value         11 A           Vided mechanical performance [tp]         11 A           • for single-phase AC motor         1 A		5.7 VA
design of the overload release         thermal (binetallic)           response value current of instantaneous short-circuit trip         208 A           UL/CSA ratings         14 A           • at 480 V rated value         14 A           • at 480 V rated value         14 A           • at 380 V rated value         16 P           • at 380 V rated value         10 P           • at 480 V rated value         10 P           • at 480 V rated value         10 P           • at 480 V according to IEC 60847-41 rated value         4 000 A           • at 480 V according to IEC 60847-41 rated value         153 000 A           • at 480 V according to IEC 60847-41 rated value         5000 A           • at 480 V according to IEC 60847-41 rated value         500 A           • at 480 V according to IEC 60847-41 rated value         500 A           • at 480 V according to IEC 60847-41 rated val	Protective and monitoring functions	
response value current of instantaneous short-circuit trip init         208 A <b>full-Scattings</b> 11A <b>full-Scattings</b> 11A <b>i of 300 V rated value</b> 11A <b>i of a S00 V rated value</b> 11A <b>i of a S00 V rated value</b> 11A <b>i of a single-phase AC motor</b> 11A	trip class	CLASS 10
unit         UCSA ratings           full-load current (FLA) for 3-phase AC motor         14 A           at 800 V rated value         14 A           at 800 V rated value         11 A           yielded mechanical performance [hp]         in far single-phase AC motor           - at 110/120 V rated value         1 hp           - at 200230 V rated value         2 hp           - for 3-phase AC motor         3 hp           - at 200230 V rated value         5 hp           - at 400480 V rated value         10 hp           - at 300230 V rated value         10 hp           - at 400480 V rated value         10 hp           - at 400 v according to EC 60947-4-1 rated value         4000 A           - at 400 v according to EC 60947-4-1 rated value         5000 A           - at 400 v according to EC 60947-4-1 rated value         5000 A           - at 400 v according to EC 60947-4-1 rated value         5000 A           - backwards         0 mm           - owards         0 mm <tr< td=""><td>design of the overload release</td><td>thermal (bimetallic)</td></tr<>	design of the overload release	thermal (bimetallic)
UCSA rating:           full-add current (FLA) for 3-phase AC motor           • at 800 V rated value         14 A           • at 800 V rated value         11 A           • for single-phase AC motor         14 A           • at 800 V rated value         14 P           • at 800 V rated value         14 P           • at 800 V rated value         14 P           • at 800 V rated value         2 hp           • for single-phase AC motor         3 hp           - at 1200 V rated value         3 hp           - at 202030 V rated value         10 hp           - at 375/600 V rated value         10 hp           - at 600 V according to EC 60947-4-1 rated value         5 000 A           - at 600 V according to EC 60947-4-1 rated value         5 000 A           - at 600 V according to EC 60947-4-1 rated value         5 000 A           - at 600 V according to EC 60947-4-1 rated value         5 000 A           - stread         samp-on mounting onto 35 mm standard mounting rail           heighth		208 A
full-odd current (FLA) for 3-phase AC motor       14 A         • at 800 V rated value       14 A         • at 800 V rated value       11 A         yielded mechanical performance (hp)       • for single-phase AC motor         • - at 110/120 V rated value       1 hp         at 200208 V rated value       2 hp         • for 3-phase AC motor       3 hp         at 200208 V rated value       5 hp         at 400480 V rated value       10 hp         at 400480 V rated value       10 hp         at 400490 V rated value       10 hp         Short-circuit protection       Yes         design of the short-circuit protection       Yes         design of the short-circuit rated value       4 000 A         • at 800 V according to EC 60947-4-1 rated value       4 5000 A         • at 800 V according to EC 60947-4-1 rated value       4 5000 A         • at 800 V according to EC 60947-4-1 rated value       15000 A         • at 800 V according to EC 60947-4-1 rated value       5000 A         • at 800 V according to EC 60947-4-1 rated value       163 000 A         • at 800 V according to EC 60947-4-1 rated value       100 nm         • at 800 V according to EC 60947-4-1 rated value       170 nm         • for ground tip at the side       9 nm		
• at 480 V rated value       14 A         • et 600 V rated value       11 A         • for single-phase AC motor       11 p         - at 230 V rated value       2 hp         • for 3-phase AC motor       3 hp         - at 200208 V rated value       2 hp         • for 3-phase AC motor       3 hp         - at 200208 V rated value       5 hp         - at 200208 V rated value       10 hp         - at 27500 V rated value       10 hp         Product function short-circuit protection       Yes         reading of the short-circuit current (lq)       4 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • at 600 V according to EC 60947-4-1 rated value       5 000 A         • for grounded parts       0 mm         - for wards       0 mm         - downwards       0 mm <td></td> <td></td>		
• at 600 V rated value         11 A           vielade mechanical performance (hp)         • for single-phase AC motor           - at 110/120 V rated value         1 hp           - at 220/200 V rated value         3 hp           - at 220/200 V rated value         3 hp           - at 220/200 V rated value         5 hp           - at 220/200 V rated value         10 hp           - at 220/200 V rated value         10 hp           - at 460/480 V rated value         10 hp           - at 575600 V rated value         10 hp           - at 60/480 V rated value         10 hp           - at 60/480 V rated value         10 hp           - at 60/480 V rated value         10 hp           - at 80 V according to EC 60047-4-1 rated value         153 000 A           - at 400 V according to EC 60047-4-1 rated value         150 00 A           - at 500 V according to EC 60047-4-1 rated value         5000 A           - at 500 V according to EC 60047-4-1 rated value         5000 A           - at 500 V according to EC 60047-4-1 rated value         150 00 A           - at 600/480 rate         70 mm           width         90 mm           dopth         90 rate           - forwards         0 mm           - forwards         0 mm		
yielded mechanical performance [hp]              • for single-phase AC motor	• at 480 V rated value	
<ul> <li>for single-phase AC motor         <ul> <li>- at 110/120 V rated value</li> <li>2 hp</li> </ul> </li> <li>for 3-phase AC motor</li> <li>- at 220 V rated value</li> <ul> <li>2 hp</li> <li>for 3-phase AC motor</li> <li>- at 200208 V rated value</li> <li>3 hp</li> <li>- at 200208 V rated value</li> <li>5 hp</li> <li>- at 460/480 V rated value</li> <li>10 hp</li> </ul> <li>Stort-circuit protection</li> <li>Product function short-circuit protection</li> <ul> <li>groduct function short-circuit rated value</li> <li>10 hp</li> </ul> <li>et al 400 V according to EC 60947-4-1 rated value</li> <li>153 000 A</li> <li>at 600 V according to EC 60947-4-1 rated value</li> <li>5000 A</li> </ul> <li>at 600 V according to EC 60947-4-1 rated value</li> <li>at 600 V according to EC 60947-4-1 rated value</li> <li>5000 A</li> <li>totalator function and the store circuit for an an</li>	at 600 V rated value	11 A
	yielded mechanical performance [hp]	
	<ul> <li>for single-phase AC motor</li> </ul>	
<ul> <li>for 3-phase AC motor         <ul> <li>at 200/200 V rated value</li> <li>bh</li> <li>at 200/200 V rated value</li> <li>bh</li> <li>at 460/480 V rated value</li> <li>bh</li> <li>at 460/480 V rated value</li> <li>bh</li> </ul> </li> <li>Short-circuit protection</li> <li>Yes</li> <li>generating protection</li> <li>Yes</li> <li>conditional short-circuit current (iq)</li> <li>at 6600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-4-1 rated value</li> <li>at 600 V according to IEC 60947-401 rated value</li> <li>at 600 V according to IEC 60947-401 rat 6000 Propotiton datat accordin</li></ul>	— at 110/120 V rated value	1 hp
- at 200208 V rated value     3 hp       - at 220230 V rated value     5 hp       - at 400480 V rated value     10 hp       - at 4575/800 V rated value     10 hp       Short-circuit protection     Yes       design of the short-circuit trip     magnetic       conditional short-circuit protection     4 000 A       • at 600 V according to IEC 60947-4-1 rated value     4 000 A       • at 600 V according to IEC 60947-4-1 rated value     5 000 A       • at 500 V according to IEC 60947-4-1 rated value     5 000 A       • at 500 V according to IEC 60947-4-1 rated value     5 000 A       • at 600 V according to IEC 60947-4-1 rated value     5 000 A       Installation/ mounting/ dimensions     screw and snap-on mounting onto 35 mm standard mounting rail       height     170 mm       width     90 mm       depth     97.1 mm       required spacing     0 mm       • for grounded parts     0 mm       - forwards     0 mm       - at the side     9 mm       - downwards     10 mm       - backwards     0 mm	— at 230 V rated value	2 hp
	<ul> <li>for 3-phase AC motor</li> </ul>	
	— at 200/208 V rated value	3 hp
at 575/600 V rated value     10 hp       Shot-circuit protection     magnetic       design of the short-circuit durrent (lq)     magnetic       conditional short-circuit current (lq)     4 000 A       • at 609 V according to IEC 60947-4-1 rated value     153 000 A       • at 500 V according to IEC 60947-4-1 rated value     5 000 A       hstallation/mounting / dimensions     vertical       mounting position     vertical       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail       height     170 mm       width     90 mm       depth     97.1 mm       required spacing     0 mm       • for grounded parts     0 mm       - norwards     0 mm       - upwards     20 mm       - downwards     10 mm       • for live parts     0 mm       - downwards     0 mm       - upwards     20 mm       - at the side     9 mm       - backwards     0 mm       - worwards     20 mm       - at the side     9 mm       - downwards     0 mm       - downwards     0 mm       - at the side     9 mm       - downwards     0 mm       - at the side     9 mm       - downwards     0 mm <t< td=""><td>— at 220/230 V rated value</td><td>5 hp</td></t<>	— at 220/230 V rated value	5 hp
Short-circuit protection         Yes           design of the short-circuit trip         magnetic           conditional short-circuit trip         magnetic           • at 690 V according to IEC 60947-4-1 rated value         4 000 A           • at 400 V according to IEC 60947-4-1 rated value         5 3000 A           • at 400 V according to IEC 60947-4-1 rated value         5 3000 A           • at 500 V according to IEC 60947-4-1 rated value         5 000 A           Installation/ mounting/dimensions         vertical           mounting position         screw and snap-on mounting onto 35 mm standard mounting rail           height         170 mm           width         90 mm           depth         97.1 mm           required spacing         0 mm           • for grounded parts         0 mm           - downwards         0 mm           - downwards         0 mm           - downwards         0 mm           - at the side         9 mm           - downwards         0 mm           - at the side         9 mm           - at the side<	— at 460/480 V rated value	10 hp
product function short circuit protection         Yes           design of the short-circuit trip         magnetic           conditional short-circuit current (lq)         at 690 V according to IEC 60947.4-1 rated value         4 000 A           at 400 V according to IEC 60947.4-1 rated value         4 5000 A         5 000 A           Installation/ mounting/ dimensions         vertical         screw and snap-on mounting onto 35 mm standard mounting rail           height         170 mm         90 mm           width         90 mm         97.1 mm           required spacing         0 mm         0 mm           • for younded parts         0 mm         0 mm           - forwards         0 mm         20 mm           - at the side         9 mm         100 mm           - downwards         0 mm         0 mm           - downwards         0 mm         0 mm           - downwards         0 mm         0 mm           - downwards         0 mm         20 mm           - at the side         9 mm	— at 575/600 V rated value	10 hp
design of the short-circuit trip     magnetic       conditional short-circuit current (Iq)     4 000 A       • at 690 V according to IEC 60947-4-1 rated value     4 000 A       • at 500 V according to IEC 60947-4-1 rated value     153 000 A       • at 500 V according to IEC 60947-4-1 rated value     5 000 A       Installation/mounting/ dimensions     900 A       mounting position     vertical       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail       height     170 mm       width     90 mm       depth     97.1 mm       required spacing     0 mm       • for grounded parts     0 mm       - packwards     0 mm       - at the side     9 mm       - downwards     10 mm       • for live parts     0 mm       - downwards     0 mm       - at the side     9 mm       - downwards     10 mm       - at the side     9 mm </td <td>Short-circuit protection</td> <td></td>	Short-circuit protection	
conditional short-circuit current (lq)       4 000 A         • at 690 V according to IEC 60947-4-1 rated value       4 000 A         • at 600 V according to IEC 60947-4-1 rated value       5 000 A         • at 500 V according to IEC 60947-4-1 rated value       5 000 A         • at 600 V according to IEC 60947-4-1 rated value       5 000 A         Installation/ mounting/ dimensions       • vertical         mounting position       vertical         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       170 mm         width       90 mm         depth       97.1 mm         required spacing       • for grounded parts         - forwards       0 mm         - ackwards       0 mm         - downwards       10 mm         - downwards       0 mm	product function short circuit protection	Yes
• at 690 V according to IEC 60947.4-1 rated value       4 000 A         • at 400 V according to IEC 60947.4-1 rated value       153 000 A         • at 500 V according to IEC 60947.4-1 rated value       5 000 A         Installation/ mounting/dimensions       • eritical         screw and snap-on mounting onto 35 mm standard mounting rail       • height         inlight       170 mm         width       90 mm         depth       97.1 mm         required spacing       • for grounded parts         - forwards       0 mm         - backwards       20 mm         - downwards       10 mm         • for like parts       0 mm         - forwards       0 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - downwards       10 mm         • for ine parts       0 mm         - downwards       10 mm         - the side       9 mm         - downwards       10 mm         - the side       9 mm         - downwards       0 mm         - the side       9 mm         - downwards       10 mm         - at the side       9 mm         Stre	design of the short-circuit trip	magnetic
• at 400 V according to IEC 60947-4-1 rated value       153 000 A         • at 500 V according to IEC 60947-4-1 rated value       5 000 A         Installation/mounting/ dimensions       5 000 A         mounting position       vertical         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       170 mm         width       90 mm         depth       97.1 mm         required spacing <ul> <li>for grounded parts</li> <li>for wards</li> <li>packwards</li> <li>omm</li> <li>downwards</li> <li>mm</li> <li>of roll the safe</li> <li>mm</li> <li>for live parts</li> <li>of wards</li> <li>0 mm</li> <li>ackwards</li> <li>omm</li> <li>ackwards</li> <li>omm</li> <li>ackwards</li> <li>omm</li> <li>ackwards</li> <li>omm</li> <li>ackwards</li> <li>omm</li> <li>ackwards</li> <li>omm</li> <li>ackwards</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>ackwards</li> <li>0 mm</li> <li>backwards</li> <li>0 mm</li> <li>ackwards</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></li></ul>	conditional short-circuit current (Iq)	
• at 500 V according to IEC 60947-4-1 rated value       5 000 A         Installation/ mounting/ dimensions       • vertical         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       170 mm         width       90 mm         depth       97.1 mm         required spacing       • for grounded parts         - forwards       0 mm         - backwards       20 mm         - at the side       9 mm         - downwards       10 mm         - forwards       0 mm         - forwards       0 mm         - downwards       10 mm         - forwards       0 mm         - downwards       10 mm         - forwards       0 mm         - downwards       10 mm         - at the side       9 mm         - downwards       0 mm         - at the side       9 mm         - downwards       10 mm         - at the side       9 mm         - at the side       9 mm         - at the side       9 mm         - downwards       10 mm         - at the side       9 mm         - downwards       10 mm         - at the	<ul> <li>at 690 V according to IEC 60947-4-1 rated value</li> </ul>	4 000 A
Installation/ mounting/ dimensions         vertical           mounting position         screw and snap-on mounting onto 35 mm standard mounting rail           height         170 mm           width         90 mm           depth         97.1 mm           required spacing         •           - forwards         0 mm           - backwards         0 mm           - backwards         20 mm           - at the side         9 mm           - downwards         10 mm           - of orwards         0 mm           - downwards         10 mm           - downwards         0 mm	<ul> <li>at 400 V according to IEC 60947-4-1 rated value</li> </ul>	153 000 A
mounting position         vertical           fastening method         screw and snap-on mounting onto 35 mm standard mounting rail           height         170 mm           width         90 mm           depth         97.1 mm           required spacing            • for grounded parts         0 mm           — backwards         0 mm           — backwards         0 mm           — upwards         20 mm           — at the side         9 mm           - of orwards         10 mm           - of orwards         0 mm           - upwards         20 mm           - at the side         9 mm           - forwards         0 mm           - downwards         10 mm           - upwards         20 mm           - downwards         10 mm           - downwards         0 mm           - downwards         0 mm           - at the side         9 mm     <	<ul> <li>at 500 V according to IEC 60947-4-1 rated value</li> </ul>	5 000 A
fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       170 mm         width       90 mm         depth       97.1 mm         required spacing       • for grounded parts         - forwards       0 mm         - backwards       0 mm         - upwards       20 mm         - at the side       9 mm         - downwards       10 mm         - forwards       0 mm         - downwards       0 m	Installation/ mounting/ dimensions	
height       170 mm         width       90 mm         depth       97.1 mm         required spacing       97.1 mm         • for grounded parts       0 mm         - backwards       0 mm         - upwards       20 mm         - at the side       9 mm         - downwards       10 mm         • for live parts       0 mm         - downwards       0 mm         - at the side       9 mm         Connections/ Terminals       screw-type terminals         type of electrical connection for main current circuit       screw-type terminals         type of electrical connection for main current circuit       screw-type terminals         type of electrical connection for main current circuit       screw-type terminals         type of electrical connection for main current circuit       screw-type terminals         type of electrical connection for main curtacts       2x (20 16), only for		
width       90 mm         depth       97.1 mm         required spacing       • for grounded parts         - for grounded parts       0 mm         - backwards       0 mm         - upwards       20 mm         - at the side       9 mm         - downwards       10 mm         - forwards       0 mm         - downwards       10 mm         - forwards       0 mm         - downwards       10 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - downwards       10 mm         - at the side       9 mm         Connections/ Terminals       20 mm         type of electrical connection for main current circuit       screw-type terminals         type of connectable conductor cross-sections       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       0.5 2.5 mm²         stady of data       0.5 0000         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	mounting position	vertical
depth       97.1 mm         required spacing       • for grounded parts         - forwards       0 mm         - backwards       0 mm         - backwards       0 mm         - upwards       20 mm         - at the side       9 mm         - downwards       10 mm         • for live parts       0 mm         - forwards       0 mm         - downwards       0 mm         - upwards       0 mm         - downwards       0 mm         - upwards       20 mm         - downwards       0 mm         - at the side       9 mm         Connections/ Terminals       10 mm         type of electrical connection for main current circuit       screw-type terminals         type of connectable conductor cross-sections       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       0.5 2.5 mm²         finely stranded with core end processing       2x (20 16), only for contactor 2x (18 14), 2x 12         Safety related data       1000 000         Proportion of dangerous failures with high demand rate according to SN 31920       1000 000		
required spacing         • for grounded parts         - forwards       0 mm         - backwards       0 mm         - backwards       0 mm         - upwards       20 mm         - at the side       9 mm         - downwards       10 mm         • for live parts       0 mm         - forwards       0 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - downwards       10 mm         - at the side       9 mm         Connections/ Terminals       20 mm         type of electrical connection for main current circuit       screw-type terminals         type of connectable conductor cross-sections       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       0.5 2.5 mm²         finely stranded with core end processing       2x (20 16), only for contactor 2x (18 14), 2x 12         Safety related data       1000 000         Proportion of dangerous failures with high demand rate according to SN 31920       1000 000         Probation of dangerous f	fastening method	screw and snap-on mounting onto 35 mm standard mounting rail
• for grounded parts0 mm- forwards0 mm- backwards0 mm- upwards20 mm- upwards20 mm- at the side9 mm- at the side9 mm- downwards10 mmof live parts0 mm- forwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- upwards20 mm- downwards10 mm- backwards0 mm- downwards10 mm- at the side9 mmConnections/ Terminalsscrew-type terminalstype of connectable conductor cross-sectionsof or main contactsof or main contacts stranded0.5 4 mm², 2x (0.75 2.5 mm²)e at AWG cables for main contacts2x (20 16), only for contactor 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 2.5 mm²sfinely stranded with core end processing1 000 000B10 value with high demand rate according to SN 319201 000 000proportion of dangerous failures with high demand rate according to SN 3192073 %	fastening method height	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm
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<ul> <li>for live parts         <ul> <li>for wards</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>at the side</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection for main current circuit</li> <li>screw-type terminals</li> </ul> <li>type of connectable conductor cross-sections</li> <li>for main contacts stranded</li> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>x (20 16), only for contactor 2x (18 14), 2x 12</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>1 000 000</li>	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm
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	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm
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— at the side9 mmConnections/ Terminalstype of electrical connection for main current circuitscrew-type terminalstype of connectable conductor cross-sections0.5 4 mm², 2x (0.75 2.5 mm²)• at AWG cables for main contacts2x (20 16), only for contactor 2x (18 14), 2x 12connectable conductor cross-section for main contacts0.5 2.5 mm²finely stranded with core end processing0.5 2.5 mm²Safety related data1000 000B10 value with high demand rate according to SN 319201 000 000proportion of dangerous failures with high demand rate according to SN 3192073 %	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm 10 mm 0 mm
Connections/ Terminals         type of electrical connection for main current circuit       screw-type terminals         type of connectable conductor cross-sections       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       0.5 2.5 mm²)         inely stranded with core end processing       0.5 2.5 mm²         Safety related data       1000 000         proportion of dangerous failures with high demand rate according to SN 31920       1 000 000         proportion of SN 31920       73 %	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         • for live parts         — backwards	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm
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<ul> <li>for main contacts stranded</li> <li>at AWG cables for main contacts</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>1 000 000</li> <li>73 %</li> </ul>	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         — downwards         • for live parts         — forwards         — backwards         — the side         — downwards         — the side         — downwards         — at the side         Connections/ Terminals	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm 9 mm 10 mm 9 mm 9 mm 10 mm 9 mm 10 mm 9 mm
• 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         Proportion of dangerous failures with high demand rate according to SN 31920       1 000 000         73 %       73 %	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         — of upwards         — at the side         — downwards         — at the side         — upwards         — at the side         — downwards         — backwards         — upwards         — at the side         Connections/ Terminals         type of electrical connection for main current circuit	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm 9 mm 10 mm 9 mm 9 mm 10 mm 9 mm 10 mm 9 mm
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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 %	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         — backwards         — upwards         — downwards         — at 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         connectable conductor cross-section for main contacts	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm 20 mm 9 mm 10 mm
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according to SN 31920	fastening method         height         width         depth         required spacing         • for grounded parts         — forwards         — backwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — backwards         — upwards         — 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         connectable conductor cross-section for main contacts finely stranded with core end processing	screw and snap-on mounting onto 35 mm standard mounting rail 170 mm 90 mm 97.1 mm 0 mm 0 mm 20 mm 9 mm 10 mm 0 mm 0 mm 20 mm 9 mm 10 mm
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