# SIEMENS

#### Data sheet

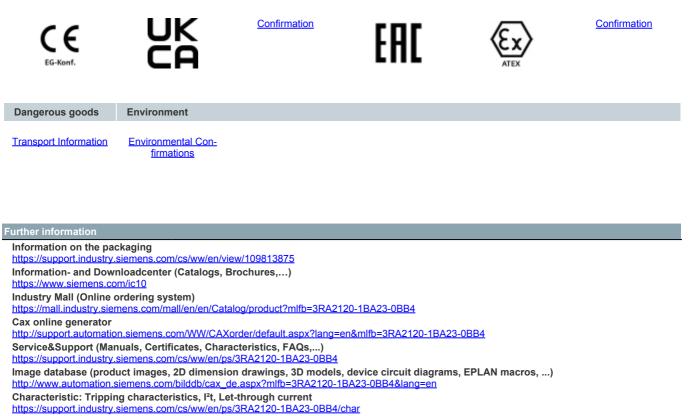
### 3RA2120-1BA23-0BB4



Fuseless motor starter Direct start 600VAC Size S0 1.4-2A 24V DC screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (contactor)

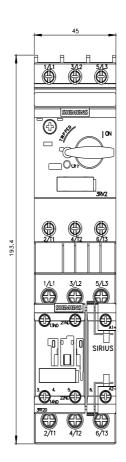
product brand name	SIRIUS			
product designation	non-fused motor starter 3RA2			
design of the product	direct starter			
manufacturer's article number				
<ul> <li>of the supplied contactor</li> </ul>	<u>3RT2023-1BB40</u>			
<ul> <li>of the supplied circuit-breakers</li> </ul>	<u>3RV2011-1BA10</u>			
<ul> <li>of the supplied link module</li> </ul>	<u>3RA2921-1BA00</u>			
General technical data				
size of the circuit-breaker	S00			
size of load feeder	SO			
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 (operating cycles) of contactor typical	10 000 000			
type of assignment	2			
Substance Prohibitance (Date)	03/01/2017			
Weight	0.95 kg			
Ambient conditions				
ambient temperature				
<ul> <li>during operation</li> </ul>	-20 +60 °C			
<ul> <li>during storage</li> </ul>	-50 +80 °C			
during transport	-55 +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			
<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	1.9 A			
operating power at AC-3				
• at 400 V rated value	750 W			
• at 500 V rated value	750 W			
• at 690 V rated value	1 100 W			
Control circuit/ Control				
control supply voltage at DC rated value	24 V			

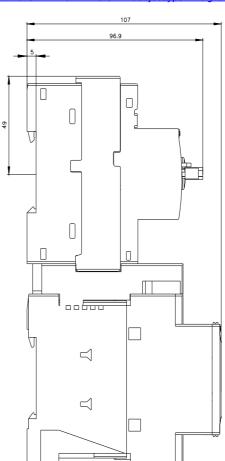
Auxiliary circuit         0000           number of NC contacts for auxiliary contacts         1           Immumber of NC contacts for auxiliary contacts         1           Protectives and monitoring functions         trip class           design of the overfoad release         thermal (kinetallic).           response value current of instantenous short-drout trip unit         20 A           ULICES rules         1.3 A           • at 600 V rated value         1.72 A           • juiced mechanical performance (tp)         • for single-phase AC motor	holding power of magnet coil at DC	5.9 W		
number of NC contacts for auxiliary contacts         1           number of NC contacts for auxiliary contacts         1           Productive and monitoring functions         1           Trip class         CLASS 10           design of the overload release         thermal (bimetallic)           response value current of instantaneous short-circuit trip unit         28.A           UCLSS rating         1.72.A           full-dad current (FLA) for 3-phase AC motor         1.83.A           - at 800 V rated value         1.72.A           Vielded mechanical performance (hp)         0.13 hp           - for 3-phase AC motor         1.72.A           - at 4200 V rated value         1.72.A           Vielded mechanical performance (hp)         0.13 hp           - at 4200480 V rated value         1.72.A           product function short circuit protection         magnetic           - an 4200480 V rated value         1.72.A           of 30 product function short circuit protection         Yeps           design of the short-circuit current (o)         1.53.00 A           - at 4200 V according to IEC 60947 4-1 rated value         1.53.00 A           Installation monitoring dimensions         monitoring dimensions           meunting person         Smap-moninted to DN ratio raccere mounted with additional push-in l		0.0 11		
number of NO contacts or auxiliary contacts         1           Protective and monitoring functions         CLASS 10           design of the overfoad release         thermal (bmedialic)           response value current of instantaneous short-circuit tip unit         ZEA           ULVESA relings         Tublicoda current (LA) for 3-phase AC motor           - al 480 Vriade value         1.53 A           - al 490 Vriade value         1.72 A           Videdd mechanical performance (hg)         -           - al 72 Vriade value         0.13 hp           - for 3 raphase AC motor         -           - al 400 Vriade value         0.13 hp           - for 3 raphase AC motor         -           - al 7576800 Vriade value         1.72 A           Product functions short circuit protection         Yes           design of the short-circuit circuit trip         mounting position		1		
protective and monitoring function           trip class         CALSS 10           design of the overload release         Internal (dimetallic)           response value current of instantaneous shot-circuit try unit         28 A           ULUESA reliade         1.53 A           • at 800 V ratio value         1.72 A           yielded mochanical performance [bp]         •           • of singhes AC motor         -           - at 230 V ratio value         0.13 hp           • of singhes AC motor         -           - at 230 V ratio value         0.75 hp           - at 3500 V ratio value         0.75 hp           - at 640/480 V ratio value         1.53 A           • at 400 V static value         1.55 ND           - at 5200 V ratio value         1.55 ND           - at 5200 V ratio value         1.55 ND A           response         -           ordigit of the short-circuit protection         res           design of the short-circuit protection         res           design of the short-circuit arron         res           required spacing         153 ND A           • for grounded parts         100 rm           - powards         0 rm           - otherwards         0 rm           - othe				
trip class     CLASS 10       design of the overlaad release     thermal (timetallic)       response value current of instantaneous short-circuit trip unit     28 A       ULCSA variags     1.03 A       et al 480 Vrated value     0.13 pp       efford 3-phase AC motor     -		1		
design of the overload rolease       thermal (bimetallic)         response value current of instantaneous short-circuit trip unit       26 A         UCDSA ratings       1         full-dad current (FLA) for 3-phase AC motor       1.83 A         • at 480 V rated value       1.72 A         yinted methodical performance (trp)       -         • - of ratingle-phase AC motor       -         at 230 V rated value       0.13 hp         • for single-phase AC motor       -         at 480480 V rated value       0.75 hp         at 450480 V rated value       0.75 hp         at 450480 V rated value       1.72 A         product functions bord circuit protection	v	CLASS 10		
response value current of instantaneous short-circuit trip unit     28 A       ULCSA ratings     Infill-dad current (FLA) for 3-phase AC motor     1.53 A       • al 480 V rated value     1.53 A       • al 480 V rated value     1.53 A       • al 200 V rated value     0.13 hp       • for single-phase AC motor     0.13 hp       • al 480 V rated value     0.75 hp       • al 400 V rated value     1 hp       Product functions short circuit protection     Yes       design of the short-circuit up     magnetic       conditional short circuit protection     Yes       et 400 V according to EC 6047-4 rated value     153 000 A       Installation multing/ dimensions     vertical       mounting position     vertical       fastang method     53 mn       • or grounded parts     10 mm       • or lowards     0 mm       • or grounded parts     0 mm       • or lowards <td< td=""><td>•</td><td></td><td></td><td></td></td<>	•			
UUCSA ratings         full-dad current (FLA) for 3-phase AC motor         • at 800 V rated value         • 1 72 A         yieldad mechanical parformance (hp)         • for single-phase AC motor         - at 230 V rated value         • for Single-phase AC motor         - at 300 V rated value         • for Single-phase AC motor         - at 300 V rated value         • for Single-phase AC motor         - at 300 V rated value         0.13 hp         edisign of the sch-circuit protection         great         product function short circuit protection         great         mounting position         frastening method         frastening method         Might         40pth         40prowards         50 mm				
full-load current (FLA) for 3-phase AC motor     1.83 A       • at 800 V rade value     1.72 A       yielded mechanical performance (tp)     • (at 300 V rade value       • for anjephase AC motor     - (at 230 V rade value       • at 302 V rade value     0.13 hp       • for anjephase AC motor     - (at 27,800 V rade value       • at 460440 V rade value     0.75 hp       - at 375600 V rade value     1 hp       Short-circuit protection     Yes       design of the short-circuit trip     magnetic       conditional short-circuit trip     magnetic       conditional short-circuit trip     magnetic       conditional short-circuit trip     153 000 A       mutiting position     Vertical       fastening method     Some-mounted to DIN rail or screw-mounted with additional push-in lug       height     193.1 mm       with     45 mm       depth     10 mm       - qowards     10 mm       - qowards     0 mm       <	· · ·	20 A		
• at 480 V risks value     1.33 Å       • at 600 V risks value     1.72 Å       • for single-phase AC motor     1.72 Å       - at 320 V risks value     0.13 hp       • for 3-phase AC motor     0.13 hp       - at 4604060 V risks value     0.75 hp       - at 4604060 V risks value     1 hp       Short-circuit protection     Yes       design of the abort-circuit protection     Yes       design of the abort-circuit current ((q)     its 000 Å       • at 400 V according to EC 00047-4-1 rated value     155 000 Å       Installation mounting/dimensions     Its 000 Å       Installation mounting opatisin     Vertical       fastening method     Snap-mounted to DIN rail or screw-mounted with additional push-in lug       height     107 mm       required spacing     0 mm       • for grounded parts     10 mm       • for forwards     0 mm       - quiverd spacing     0 mm       • for live parts     10 mm       • dopth     10 mm       • dowards     0 mm       - quiverds     30 mm       - at the side     9 mm       - dowards     0 mm				
		1 63 4		
yielded mechanical performance (hp) <ul> <li>for single-phase AC motor</li> <li>at 250 V rated value</li> <li>for 3-phase AC motor</li> <li>at 4575600 V rated value</li> <li>the single-phase AC motor</li> <li>at 4575600 V rated value</li> <li>the single-phase AC motor</li> </ul> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>and AV according to EC 00047-41 intel value</li> <li>the source of the short-circuit trip</li> <li>at 400 V according to EC 00047-41 intel value</li> <li>the source of the short-circuit trip</li> <li>at 400 V according to EC 00047-41 intel value</li> <li>the source of the short-circuit trip</li> <li>at 400 V according to EC 00047-41 intel value</li> <li>the source of the short-circuit trip</li> <li>at 400 V according to EC 00047-41 intel value</li> <li>the source of the short-circuit trip</li> <li>at 400 V according to EC 00047-41 intel value</li> <li>the source of the short-circuit trip</li> <li>the source of the source o</li>				
• for single-phase AC motor		1.121		
		0 13 hp		
		0.15 hp		
		0.75 bp		
Short-circuit protection       Yes         design of the short-circuit trip       magnetic         conditional short-circuit current (lq)       • 14:00 V according to IEC 609774-1 rated value         Installation/mounting/dimensions       mounting position         wertical       Snap-mounted to DIN rail or screw-mounted with additional push-in lug         height       1933.1 mm         width       45 mm         depth       107 mm         required spacing       • for grounded parts         -forwards       10 mm         -backwards       0 mm         - upwards       30 mm         - at the side       9 mm         -forwards       10 mm         - downwards       10 mm         - at the side       9 mm         Connectable conductor cross-sections for main contacts finely stranded with or eer dprocessing       1 0 mm² 2x (2.5 6 mm²)<				
product function short circuit trp         Yes           design of the short-circuit trp         magnetic           conditional short-circuit trp         magnetic           conditional short-circuit trp         153 000 A           Installation mounting to EC 60047-4-1 rated value         153 000 A           Installation mounting position         vertical           fastening method         Snap-mounted to DIN rail or screw-mounted with additional push-in lug           height         193.1 mm           width         45 mm           depth         107 mm           required spacing         0 mm           - forwards         0 mm           - at the side         9 mm           - downwards         10 mm           - forwards         10 mm           - downwards         0 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm <td></td> <td></td> <td></td> <td></td>				
design of the short-circuit trip     magnetic       conditional short-circuit current ((q)     is 3000 A       Installation/ mounting/ dimensions     is 3000 A       mounting position     vertical       festening method     Snap-mounted to DIN rail or screw-mounted with additional push-in lug       height     193.1 mm       width     45 mm       depth     107 mm       required spacing <ul> <li>of or grounded parts</li> <li>for grounded parts</li> <li>at the side</li> <li>mm</li> <li>of mm</li> <li>upwards</li> <li>at the side</li> <li>mm</li> <li>of or wards</li> <li>of mm</li> <li>upwards</li> <li>at the side</li> <li>mm</li> <li>of ownwards</li> <li>of mm</li> <li>upwards</li> <li>of mm</li> <li>downwards</li> <li>of mm</li> <li>upwards</li> <li>of mm</li> <li>downwards</li> <li>of mm</li> <li>upwards</li> <li>of mm</li> <li>mm</li> <li>downwards</li> <li>of mm</li> <li>downwards</li> <li>of mm</li> <li>mm</li> <li>downwards</li> <li>of mm</li> <li>mm</li> <li>downwards</li> <li>of mm</li> <li>downwards</li> <li>of mm</li> <li>downwards</li> <li>of mm</li> <li>down</li></ul>		Ves		
conditional short-circuit current (k)     153 000 A       installation/mounting/dimensions     153 000 A       mounting position     vertical       fastening method     Snap-mounted to DIN rail or screw-mounted with additional push-in lug       height     193.1 mm       width     45 mm       depth     107 mm       required spacing     0 mm       - forwards     0 mm       - upwards     30 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - forwards     0 mm       - downwards     10 mm       - downwards <t< td=""><td></td><td></td><td></td><td></td></t<>				
		magnetic		
Installation/ mounting/dimensions       vertical         mounting position       vertical         fastening method       Snap-mounted to DIN rail or screw-mounted with additional push-in lug         height       193.1 mm         width       45 mm         depth       107 mm         required spacing       0 mm         - forwards       10 mm         - backwards       0 mm         - upwards       30 mm         - at the side       9 mm         - downwards       10 mm         - forwards       0 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       9 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 contacts finely       1 6 mm <sup>3</sup> stranded       with core and processing       1 6 mm <sup>3</sup> Safety related data       1000 000       Electrical Saf		152 000 4		
mounting position         vertical           fastening method         Snap-mounted to DIN rail or screw-mounted with additional push-in lug           height         193.1 mm           width         45 mm           depth         107 mm           required spacing         -           - forwards         10 mm           - backwards         0 mm           - upwards         30 mm           - at the side         9 mm           - downwards         10 mm           - downwards         0 mm           - downwards         0 mm           - downwards         0 mm           - backwards         0 mm           - downwards         10 mm           - backwards         0 mm           - adventards         10 mm           - backwards         10 mm           stranded         1 6 mm³	-	155 000 A		
fastening method       Snap-mounted to DIN rail or screw-mounted with additional push-in lug         height       193.1 mm         width       45 mm         depth       107 mm         required spacing       • for grounded parts         - forwards       0 mm         - backwards       0 mm         - upwards       30 mm         - at the side       9 mm         - downwards       10 mm         - downwards       0 mm         - downwards       10 mm         - backwards       0 mm         - upwards       30 mm         - at the side       9 mm         - backwards       0 mm         - backwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       9 mm         Connections/ Terminals       10 mm         type of electrical connection for main current circuit       screw-type terminals         type of electrical connection for main contacts finely       1 10 mm², 2x (2.5 6 mm²)         stranded       th side demand rate according to SN 31920       1000 000         B10 valu				
height       193.1 mm         width       45 mm         depth       107 mm         required spacing       107 mm         • for grounded parts       0 mm         - backwards       0 mm         - upwards       30 mm         - at the side       9 mm         - downwards       10 mm         - for live parts       10 mm         - forwards       0 mm         - backwards       0 mm         - downwards       10 mm         - backwards       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 connectable conductor cross-sections for main contacts       1 10 mm*, 2x (2,5 6 mm*)         stranded       1 6 mm*         Safety related data       73 %         proportion of dangerous failures with high demand rate according to SN 31920       1 000 000         Electrical Safety       protection on the front according to IEC 60529       frg20 <td></td> <td></td> <td></td> <td>and assole for loss</td>				and assole for loss
width     45 mm       depth     107 mm       required spacing     107 mm       - for grounded parts     0 mm       - forwards     10 mm       - backwards     0 mm       - upwards     30 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - forwards     10 mm       - downwards     10 mm       - forwards     0 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - at the side     9 mm       Connectable conductor cross-sections for main contacts finely stranded     1 10 mm², 2x (2.5 6 mm²)       Stafey related data     73 %       proportion of dangerous failures with high demand rate according to SN 31920     1 000 000       Electrical Safely     IP20 fruertical contact from the front according to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact from the front According to IEC 60529 fruger-safe, for vertical contact f			crew-mounted with addition	inai pusn-in lug
depth       107 mm         required spacing       • for grounded parts         - forwards       10 mm         - backwards       0 mm         - upwards       30 mm         - at the side       9 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - forwards       10 mm         - backwards       0 mm         - upwards       30 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 for main contacts       1 10 mm², 2x (2.5 6 mm²)         stranded       1 6 mm²         connectable conductor cross-section for main contacts finely       1 6 mm²         stranded       10 00 000         Electrical Safety       1000 000         Electrical Safety       IP20         protection class IP on the front according to ElC 60529       IP20         touch protection on the front according to ElEC 60529       Ip20         touch protection on the front acc				
required spacing         • for grounded parts         - forwards       10 mm         - backwards       0 mm         - upwards       30 mm         - at the side       9 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       0 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - downwards       10 mm         - backwards       0 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       9 mm         Connections/ Terminals       screw-lype terminals         type of electrical connection for main current circuit       screw-lype terminals         type of electrical connection for main current circuit       screw-lype terminals         type of electrical connection for main current circuit       screw-lype terminals         type of electrical connection for main current circuit       screw-lype terminals         type of electrical conductor cross-section for main contacts       1 10 mm², 2x (2.5 6 mm²)     <				
• for grounded parts         - forwards         10 mm           - backwards         0 mm           - upwards         30 mm           - at the side         9 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - forwards         0 mm           - downwards         10 mm           - forwards         0 mm           - backwards         0 mm           - upwards         30 mm           - upwards         30 mm           - downwards         10 mm           - upwards         30 mm           - downwards         10 mm           - upwards         30 mm           - downwards         10 mm           - downwards         10 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 conductor cross-sections for main contacts         1 10 mm², 2x (2.5 6 mm²)           stranded         1 6 mm²         1 6 mm²           concriting to SN 31920         1.000 000           Electrical Safety	•	107 mm		
- forwards       10 mm         - backwards       0 mm         - upwards       30 mm         - upwards       30 mm         - at the side       9 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - forwards       0 mm         - forwards       0 mm         - backwards       0 mm         - backwards       0 mm         - backwards       0 mm         - upwards       30 mm         - downwards       0 mm         - at the side       9 mm         - downwards       10 mm         - at the side       9 mm         - downwards       10 mm         - at the side       9 mm         - downwards       10 mm         - at the side       9 mm         connection for main current circuit       screw-type terminals         type of connectable conductor cross-section for main contacts       1 10 mm², 2x (2.5 6 mm²)         stranded       conding to SN 31920       1 6 mm²         stranded       stranded       1 6 mm²         stranded       Stranded       1.000 000         Electrical Saf				
		10		
- upwards     30 mm       - at the side     9 mm       - downwards     10 mm       • for live parts     10 mm       - forwards     0 mm       - backwards     0 mm       - upwards     30 mm       - downwards     10 mm       - at the side     9 mm       Connections/Torminals     screw-type terminals       type of electrical connection for main current circuit     screw-type terminals       type of connectable conductor cross-sections for main contacts     1 10 mm², 2x (2.5 6 mm²)       stranded     1 10 mm²       connectable conductor cross-section for main contacts finely stranded with core end processing     1 6 mm²       Safety related data     73 %       proportion of dangerous failures with high demand rate according to SN 31920     1 000 000       Electrical Safety     protection on the front according to IEC 60529     inger-safe, for vertical contact from the front       portection on the front according to IEC 60529     inger-safe, for vertical contact from the front       Approvals Certificats     For use in hazard-				
- at the side         9 mm           - downwards         10 mm           • for live parts         -           - for wards         10 mm           - backwards         0 mm           - backwards         0 mm           - upwards         30 mm           - downwards         10 mm           - downwards         0 mm           - downwards         10 mm           - at the side         9 mm           Connections/ Torminals				
downwards     10 mm       • for live parts     -       forwards     10 mm       backwards     0 mm       upwards     30 mm       upwards     30 mm       downwards     10 mm       a the side     9 mm       Connections/Terminals				
- forwards       10 mm         - backwards       0 mm         - upwards       30 mm         - downwards       10 mm         - a 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       1 10 mm², 2x (2.5 6 mm²)         stranded       1 10 mm², 2x (2.5 6 mm²)         connectable conductor cross-section for main contacts finely       1 6 mm²         stranded       1 6 mm²         Safety related data         proportion of dangerous failures with high demand rate according to SN 31920       1 000 000         Electrical Safety       protection class IP on the front according to IEC 60529         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20		10 mm		
<ul> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>downwards</li> <li>a the side</li> <li>9 mm</li> </ul> Connections/ Terminals           type of electrical connection for main current circuit         screw-type terminals           type of connectable conductor cross-sections for main contacts         1 10 mm², 2x (2.5 6 mm²)           stranded         1 6 mm²           connectable conductor cross-section for main contacts finely stranded with core end processing         1 6 mm²           Safety related data         73 %           proportion of dangerous failures with high demand rate according to SN 31920         1 000 000           Electrical Safety         1000 000           Electrical Safety         1 000 000           For use in hazard-         other				
- upwards     30 mm       - downwards     10 mm       - at the side     9 mm       Connections/Terminals     9 mm       type of electrical connection for main current circuit     screw-type terminals       type of connectable conductor cross-sections for main contacts     1 10 mm², 2x (2.5 6 mm²)       stranded     1 0 mm²       connectable conductor cross-section for main contacts finely stranded with core end processing     1 6 mm²       Safety related data     73 %       proportion of dangerous failures with high demand rate according to SN 31920     1 000 000       Electrical Safety     1 0000       protection class IP on the front according to IEC 60529     IP20       touch protection on the front according to IEC 60529     finger-safe, for vertical contact from the front       Approvals Certificates     For use in hazard- other				
- downwards     10 mm       - at the side     9 mm       Connections/Terminals     5 mm       type of electrical connection for main current circuit     screw-type terminals       type of connectable conductor cross-sections for main contacts     1 10 mm², 2x (2.5 6 mm²)       connectable conductor cross-section for main contacts finely     1 6 mm²       stranded     1 6 mm²       stranded data     73 %       proportion of dangerous failures with high demand rate according to SN 31920     1 000 000       B10 value with high demand rate according to SN 31920     1 000 000       Electrical Safety     IP20       touch protection on the front according to IEC 60529     IP20       touch protection on the front according to IEC 60529     finger-safe, for vertical contact from the front       Approvals Certificates     For use in hazard-				
— 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       1 10 mm², 2x (2.5 6 mm²)         stranded       1 10 mm², 2x (2.5 6 mm²)         connectable conductor cross-section for main contacts finely stranded with core end processing       1 6 mm²         Safety related data       73 %         proportion of dangerous failures with high demand rate according to SN 31920       1 000 000         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       IP20         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard-				
Connections/ Terminals         type of electrical connection for main current circuit       screw-type terminals         type of connectable conductor cross-sections for main contacts stranded       1 10 mm², 2x (2.5 6 mm²)         connectable conductor cross-section for main contacts finely stranded with core end processing       1 6 mm²         Safety related data       73 %         proportion of dangerous failures with high demand rate according to SN 31920       73 %         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       IP20         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       For use in hazard-         Approvals Certificates       For use in hazard-				
type of electrical connection for main current circuit       screw-type terminals         type of connectable conductor cross-sections for main contacts stranded       1 10 mm², 2x (2.5 6 mm²)         connectable conductor cross-section for main contacts finely stranded with core end processing       1 6 mm²         Safety related data       73 %         proportion of dangerous failures with high demand rate according to SN 31920       73 %         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       IP20         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       For use in hazard-         other       For use in hazard-		9 mm		
type of connectable conductor cross-sections for main contacts stranded       1 10 mm², 2x (2.5 6 mm²)         connectable conductor cross-section for main contacts finely stranded with core end processing       1 6 mm²         Safety related data       73 %         proportion of dangerous failures with high demand rate according to SN 31920       73 %         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       1         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard- other				
stranded       connectable conductor cross-section for main contacts finely stranded with core end processing       1 6 mm <sup>2</sup> Safety related data       73 %         proportion of dangerous failures with high demand rate according to SN 31920       73 %         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       1         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard-				
stranded with core end processing         Safety related data         proportion of dangerous failures with high demand rate according to SN 31920         B10 value with high demand rate according to SN 31920         1 000 000         Electrical Safety         protection class IP on the front according to IEC 60529         IP20         touch protection on the front according to IEC 60529         finger-safe, for vertical contact from the front         Approvals Certificates         For use in hazard- other	stranded			
proportion of dangerous failures with high demand rate according to SN 31920       73 %         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       1 000 000         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard-other	stranded with core end processing	1 6 mm²		
according to SN 31920       1000 000         B10 value with high demand rate according to SN 31920       1 000 000         Electrical Safety       IP20         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard- other				
Electrical Safety       IP20         protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard-other		73 %		
protection class IP on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard-other		1 000 000		
touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         Approvals Certificates       For use in hazard- other	Electrical Safety			
Approvals Certificates  General Product Approval  For use in hazard- other	protection class IP on the front according to IEC 60529	IP20		
General Product Approval For use in hazard-		finger-safe, for vertical contact	from the front	
General Product Approval	Approvals Certificates			
	General Product Approval			other

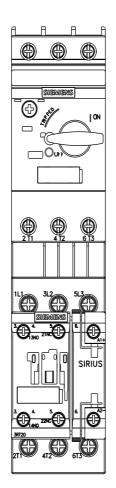


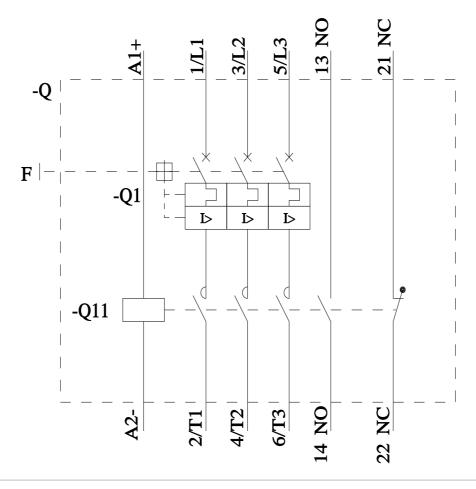
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-1BA23-0BB4&objecttype=14&gridview=view1









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