## SIEMENS

## Data sheet

## 3RT2018-1AG62



power contactor, AC-3e/AC-3, 16 A, 7.5 kW / 400 V, 3-pole, 100 V AC, 50 Hz / 100-110 V, 60 Hz, auxiliary contacts: 1 NC, screw terminal, size: S00

product brand name         SIRUS           product brand designation         Power contactor           product type designation         SR12           Canneral technical dats         S00           eta of contactor         S00           • function module for communication         No           • auxilary switch         Yes           power loss [W] for rated value of the current         ************************************		
product type designation         3RT2           General technical data         500           size of contactor         500           product extension         No           • function module for communication         No           • auxilary switch         Yes           power loss [W] for rated value of the current         3 W           • at AC in hot operating state         3 W           • at AC in hot operating state per pole         1 W           • without load current share typical         6.5 W           insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit rated value         690 V           • of auxiliary circuit rated value         64 kV           • of contactes according to EN 00347-1         400 V           stack C         7,3g / 5 ms, 4,7g / 10 ms           stack         11,4g / 5 ms, 7,3g / 10 ms           mechanical service life (operating cycles)         5000 000           • of contactor typical         10000 000           • of contactor typical	product brand name	SIRIUS
General tochnical data     S00       size of contactor     S00       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     • at AC in hot operating state       • at AC in hot operating state proje     1W       • without load current share typical     680 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     64 V       • of main circuit with degree of pollution 3 rated value     64 V       • of main circuit rated value     64 V       • of auxiliary circuit rated value     54 V       • of contactor typical     30 000 V       • of contactor with added electronically optimized     30 000 000       • of the contactor with added auxiliary switch block typical     5000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       •	product designation	Power contactor
size of contactor     S00       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     3 W       • at AC in hot operating state per pole     1 W       • without load current share typical     6.5 W       insulation voltage     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of auxiliary circuit rated value     64 V       • of main circuit with degree of pollution 3 rated value     690 V       surge voltage resistance     64 V       • of main circuit rated value     64 V       • of main circuit rated value     64 V       • of auxiliary suitary block of the operating cycles)     64 V       • of contactor with sine pulse     11.4g / 5 ms, 7.3g / 10 ms       mechanical service life (operating cycles)     5000 000       • of the contactor with added electronically optimized     10 000 000       of the contactor with added auxiliary switch block typical     10000 100       reference code according to LEC 81346-2     Q <td>product type designation</td> <td>3RT2</td>	product type designation	3RT2
product extension         No           • function module for communication         No           • auxillary switch         Yes           • at AC in hot operating state         3 W           • at AC in hot operating state per pole         1 W           • without load current share typical         6.5 W           insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         64V           • of an ain contacts according to EN 0947-1         64NO V           • at AC         7,3g / 5 ms, 7,3g / 10 ms           • at AC         11,4g / 5 ms, 7,3g / 10 ms           mechanical service life (operating cycles)         30 000 000           • of the contactor with added electronically	General technical data	
• function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         •           • at AC in hot operating state per pole         1 W           • at AC in hot operating state per pole         1 W           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit ated value         6k V           • of main circuit rated value         6k V           • of main circuit rated value         6k V           • of auxiliary circuit rated value         6k V           • at AC         7,3g / 5 ms, 4,7g / 10 ms           • at AC         11,4g / 5 ms, 7,3g / 10 ms           • at AC         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000	size of contactor	S00
exactliary switch         Yes           power loss [W] for rated value of the current         J           • at AC in hot operating state per pole         1W           • at AC in hot operating state per pole         1W           • without load current share typical         6.5 W           insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         690 V           • of main circuit rated value         64 V           • of main circuit rated value         64 V           • of main circuit rated value         64 V           • of auxiliary circuit with degree of pollution 3 rated value         64 V           • of main circuit rated value         64 V           • of auxiliary circuit rated value         64 V           maximum permissible voltage for protective separation between coll and main contacts according to EN 00947-1         64 V           • at AC         7.3g / 5 ms, 4.7g / 10 ms           • at AC         7.3g / 5 ms, 7.3g / 10 ms           • of contactor typical         30 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         10 000 000           • of the contactor with added lectronically optimized auxiliary switch block typical         10 000 000      <	product extension	
power loss [W] for rated value of the current         at AC in hot operating state         3 W           • at AC in hot operating state per pole         1 W         6.5 W           insulation voltage         6.5 W           • of main circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         64V           • of main circuit rated value         64V           • of main circuit rated value         64V           • of auxiliary circuit rated value         64V           • at AC         7,3g / 5 ms, 4,7g / 10 ms           shock resistance with sine pulse         11,4g / 5 ms, 7,3g / 10 ms           • at AC         11,4g / 5 ms, 7,3g / 10 ms           mechanical service life (operating cycles)         5 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state     3 W       • at AC in hot operating state prole     1 W       • without load current share typical     6.5 W <b>insulation voltage</b> 690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     64V       • of main circuit rated value     6 kV       • of main circuit rated value     6 kV       • of auxiliary site block tig be 60947-1     400 V       shock resistance at rectangular inpulse     400 V       • at AC     7,3g / 5 ms, 4,7g / 10 ms       shock resistance with sine pulse     114g / 5 ms, 7,3g / 10 ms       • at AC     114g / 5 ms, 7,3g / 10 ms       • of ontactor typical     30 000 000       • of the contactor with added electronically optimized     2000 000       • of the contactor with added electronically optimized     10/01/2009       Ambient conditions     25 +60 °C       • during storage <td><ul> <li>auxiliary switch</li> </ul></td> <td>Yes</td>	<ul> <li>auxiliary switch</li> </ul>	Yes
• at AC in hot operating state per pole       1 W         • without load current share typical       6.5 W         Insulation voltage       6.5 W         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of maxiliary circuit rated value       6 kV         • of main circuit with degree of pollution 3 rated value       6 kV         • of maxiliary circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       400 V         • at AC       7,3g / 5 ms, 7,3g / 10 ms         mechanical service life (operating cycles)       5000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code a	power loss [W] for rated value of the current	
• without load current share typical       6.5 W         Insulation voltage       600 V         • of main circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       690 V         • of main circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         • at AC       7,3g / 5 ms, 4,7g / 10 ms         • at AC       11,4g / 5 ms, 7,3g / 10 ms         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with addee electroni	<ul> <li>at AC in hot operating state</li> </ul>	3 W
Insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       61 W         • of main circuit rated value       6 KV         • of main circuit rated value       6 KV         • of auxiliary circuit rated value       6 KV         • of auxiliary circuit rated value       6 KV         • of auxiliary circuit rated value       6 KV         maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       400 V         • at AC       7,3g / 5 ms, 4,7g / 10 ms         shock resistance with sine pulse       11,4g / 5 ms, 7,3g / 10 ms         • at AC       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient temperature       -25 +60 °C         • during storage       -25 +60 °C         • during storage       -25 +60 °C	<ul> <li>at AC in hot operating state per pole</li> </ul>	1 W
• of main circuit with degree of pollution 3 rated value     690 V       • of auxiliary circuit with degree of pollution 3 rated value     690 V       surge voltage resistance     68 V       • of main circuit rated value     6 kV       maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1     400 V       shock resistance at rectangular impulse     7,3g / 5 ms, 4,7g / 10 ms       • at AC     7,3g / 5 ms, 4,7g / 10 ms       shock resistance with sine pulse     11,4g / 5 ms, 7,3g / 10 ms       • at AC     11,4g / 5 ms, 7,3g / 10 ms       mechanical service life (operating cycles)     000000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     2000 m       ambient conditions     -25 +60 °C       • during operation     -25 +60 °C       • during storage     -55 +60 °C       • during storage     -55 +60 °C       • felative humidity minimum     10 %       95 %     95 %	<ul> <li>without load current share typical</li> </ul>	6.5 W
• of auxiliary circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       600 V         • of auxiliary circuit rated value       600 V         • of contacts according to EN 60947-1       400 V         • of Contactor typical       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 1/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         • du	insulation voltage	
surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       400 V         • at AC       7,3g / 5 ms, 4,7g / 10 ms         shock resistance with sine pulse       11,4g / 5 ms, 7,3g / 10 ms         • at AC       11,4g / 5 ms, 7,3g / 10 ms         mechanical service life (operating cycles)       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10 000/2009         Ambient conditions       2 000 m         ambient temperature       - 460 °C         • during operation       - 25 + 60 °C         • during storage       - 55 + 80 °C         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 % <td><ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul></td> <td>690 V</td>	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
• of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         • at AC       400 V         • at AC       7,3g / 5 ms, 4,7g / 10 ms         • at AC       7,3g / 5 ms, 7,3g / 10 ms         • at AC       11.4g / 5 ms, 7,3g / 10 ms         • at AC       11.4g / 5 ms, 7,3g / 10 ms         • of the contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       0 000 m         • of the con	<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
• of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       7,3g / 5 ms, 4,7g / 10 ms         • at AC       7,3g / 5 ms, 7,3g / 10 ms         shock resistance with sine pulse       11,4g / 5 ms, 7,3g / 10 ms         • at AC       11,4g / 5 ms, 7,3g / 10 ms         mechanical service life (operating cycles)       1000 000         • of the contactor with added electronically optimized auxiliary switch block typical       30 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to EC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         95 %       55 % </th <td>surge voltage resistance</td> <td></td>	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse <ul> <li>at AC</li> <li>shock resistance with sine pulse</li> <li>at AC</li> <li>at AC</li> <li>it AC</li> <li>it AC</li> <li>at AC</li> <li>it AC</li> <li></li></ul>	<ul> <li>of main circuit rated value</li> </ul>	6 kV
coil and main contacts according to EN 60947-1         shock resistance at rectangular impulse         • at AC         7,3g / 5 ms, 4,7g / 10 ms         shock resistance with sine pulse         • at AC         • at AC         mechanical service life (operating cycles)         • of contactor typical         • of the contactor with added electronically optimized auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         i	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at AC7,3g / 5 ms, 4,7g / 10 msshock resistance with sine pulse11,4g / 5 ms, 7,3g / 10 ms• at AC11,4g / 5 ms, 7,3g / 10 msmechanical service life (operating cycles)30 000 000• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical2 000 m• of the contactor (Date)2 000 mAmbient conditions2 000 m• during operation • during storage-25 +60 °C• elative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %		400 V
shock resistance with sine pulse       11,4g / 5 ms, 7,3g / 10 ms         mechanical service life (operating cycles)       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         maximum       95 %	shock resistance at rectangular impulse	
• at AC11,4g / 5 ms, 7,3g / 10 msmechanical service life (operating cycles)30 000 000• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical5000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• advisition altitude at height above sea level maximum2 000 m• aduring operation • during operation • during storage-25 +60 °C• during storage maximum-25 +80 °C• felative humidity minimum10 %• felative humidity at 55 °C according to IEC 60068-2-30 maximum95 %• Main circuit	• at AC	7,3g / 5 ms, 4,7g / 10 ms
mechanical service life (operating cycles)       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit	shock resistance with sine pulse	
• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at AC	11,4g / 5 ms, 7,3g / 10 ms
• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %Main circuit95 %	mechanical service life (operating cycles)	
auxiliary switch block typical     10 000 000       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2 000 m       installation altitude at height above sea level maximum     2 000 m       ambient temperature     -25 +60 °C       • during operation     -25 +60 °C       • during storage     -55 +80 °C       relative humidity minimum     10 %       Main circuit     95 %	<ul> <li>of contactor typical</li> </ul>	30 000 000
reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %	· ·	5 000 000
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum       2 000 m         ambient temperature <ul> <li>during operation</li> <li>-25 +60 °C</li> <li>during storage</li> <li>-55 +80 °C</li> </ul> relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit       4	Substance Prohibitance (Date)	10/01/2009
ambient temperature     -25 +60 °C       • during operation     -25 +60 °C       • during storage     -55 +80 °C       relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30 maximum     95 %       Main circuit	Ambient conditions	
• during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit	installation altitude at height above sea level maximum	2 000 m
• during storage     -55 +80 °C       relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30 maximum     95 %       Main circuit     -55 +80 °C	ambient temperature	
relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       10 %	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       95 %         Main circuit       95 %	during storage	-55 +80 °C
Main circuit	relative humidity minimum	10 %
		95 %
number of poles for main current circuit 3	Main circuit	
	number of poles for main current circuit	3

number of NO contacts for main contacts	3
<ul> <li>operating voltage</li> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3 rated value maximum     at AC-3e rated value maximum	690 V
operational current	090 V
at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	22 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated value	20 A
• at AC-3	
- at 400 V rated value	16 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
• at AC-3e	0.9 A
	16 A
— at 400 V rated value	16 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
at AC-4 at 400 V rated value	11.5 A
• at AC-5a up to 690 V rated value	19.4 A
at AC-5b up to 400 V rated value	13.2 A
• at AC-6a	0.04
— up to 230 V for current peak value n=20 rated value	9.6 A
— up to 400 V for current peak value n=20 rated value	9.6 A
— up to 500 V for current peak value n=20 rated value	9.6 A
— up to 690 V for current peak value n=20 rated value	8.9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	6.6 A
— up to 400 V for current peak value n=30 rated value	6.4 A
— up to 500 V for current peak value n=30 rated value	6.4 A
— up to 690 V for current peak value n=30 rated value	6.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	5.5 A
• at 690 V rated value	4.4 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
-	

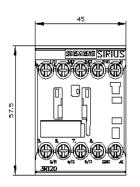
- at 24 Y relid value     - at 30 Y relid value     - at 34 Y relid value     0 5 A     - at 34 Y relid value     0 5 A     - at 34 Y relid value     20 A     - at 32 Y relid value     7 5 kW     - at 320 Y relid value     - at 400 Y relid value     7 5 kW     - at 320 Y relid value     - at 400 Y relid v		
	— at 24 V rated value	20 A
• with 2 current path in sects at DC-3 at DC-5         20 A           - at 20 V rada value         5A           - at 10 V rada value         5A           - at 24 V rada value         20 A           - at 25 V rada value         22 A           - at 25 V rada value         22 A           - at 260 V rada value         75 KW           - at 260 V rada value         75 KW           - at 260 V rada value         75 KW           - at 270 V rada value         75 KW           - at 270 V rada value         75 KW           - at 280 V rada value         75 KW           - at 400 V rada value         25 KW           - at 400 V rada value         55 KW           - at 400 V rada value         56 KW           - at 400 V rada value         56 KW           - at 400 V rada value         56 KW           - at		
	— at 110 V rated value	0.15 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	20 A
• with 3 current paths in series at DC-3 at DC-3     20 A       - at 24 V rated value     20 A       - at 26 V rated value     20 A       - at 20 V rated value     20 A       - at 20 V rated value     02 A       - at 20 V rated value     75 KW       - at 20 V rated value     25 KW       - at 20 V rated value     35 KW       - at 20 V rated value     25 KW       - at 600 V rated value     20 KVA       - at 600 V rated value     20 KVA       - at 600 V rated value     20 KVA       -	— at 60 V rated value	5 A
	— at 110 V rated value	0.35 A
	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	20 A
	— at 60 V rated value	20 A
	— at 110 V rated value	20 A
	— at 220 V rated value	1.5 A
operating power       ext AC-3         - at AC0 V rated value       7.5 kW         - at 320 V rated value       7.5 kW         - at 690 V rated value       7.5 kW         - at 600 V rated value       7.5 kW         - at 230 V rated value       7.5 kW         - at 600 V rated value       7.5 kW         - at 400 V rated value       7.5 kW         - at 400 V rated value       7.5 kW         - at 600 V rated value       7.5 kW         - at 600 V rated value       7.5 kW         - at 600 V rated value       7.5 kW         operating power for approx. 20000 operating cycles at AC-6       7.5 kW         • ub t 020 V for current pack value n=20 rated value       3.5 kW         operating apparent power at AC-6       3.8 kVA         • up to 500 V for current pack value n=20 rated value       8.8 kVA         • up to 500 V for current pack value n=20 rated value       8.8 kVA         • up to 500 V for current pack value n=30 rated value       5.5 kVA         • up to 500 V for current pack value n=30 rated value       5.5 kVA         • up to 500 V for current pack value n=30 rated value       5.5 kVA         • up to 500 V for current pack value n=30 rated value       5.5 kVA         • up to 600 V for current pack value n=30 rated value       5.5 kVA	— at 440 V rated value	0.2 A
er at 2C-3         - at 230 V rated value         - at 2400 V rated value         - at 250 V for current pack value n=20 rated value         - at 250 V for current pack value n=20 rated value         - at 560 V for current pack value n=20 rated value         - at 560 V for current pack value n=20 rated value         - at 560 V for current pack value n=20 rated value         - at 560 V for current pack value n=20 rated value         - at 560 V for current pack value n=20 rated value         - at 560 V for current pack value n=20 rated value         - at 25 KVA         - au to 230 V for current pack value n=30 rated value         - at 560 V for current pack value n=30 rated value         - at 560 V for current pack value n=30 rated value         - at 560 V for current pack value n=30 rated value         - at 560 V for current pack value n=30 rated value         - at 560 V for current pack value n=30 rated value         - at 560 V for current pack value n=30 rated value	— at 600 V rated value	0.2 A
	operating power	
	• at AC-3	
	— at 230 V rated value	4 kW
	— at 400 V rated value	7.5 kW
e at AC-3e	— at 500 V rated value	7.5 kW
	— at 690 V rated value	7.5 kW
	• at AC-3e	
	— at 230 V rated value	4 kW
	— at 400 V rated value	7.5 kW
operating power for approx. 200000 operating cycles at AC-4       2.5 kW         • at 400 V rated value       3.5 kW         operating apparent power at AC-6a       3.5 kW         • up to 230 V for current peak value n=20 rated value       6.6 kVA         • up to 500 V for current peak value n=20 rated value       6.8 kVA         • up to 500 V for current peak value n=20 rated value       8.3 kVA         • up to 500 V for current peak value n=30 rated value       2.5 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 500 V for current peak value n=30 rated value       7.6 kVA         • up to 500 V for current peak value n=30 rated value       7.6 kVA         • up to 500 V for current peak value n=30 rated value       7.6 kVA         • up to 500 V for current peak value n=30 rated value       7.6 kVA         • limited to 10 s switching at zero current maximum       169 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 0 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at ze	— at 500 V rated value	7.5 kW
A the second secon	— at 690 V rated value	7.5 kW
• at 400 V rated value         2.5 kW           • at 690 V rated value         3.5 kW           operating apparent power at AC-6a         3.8 kVA           • up to 230 V for current peak value n=20 rated value         6.8 kVA           • up to 500 V for current peak value n=20 rated value         8.8 kVA           • up to 500 V for current peak value n=20 rated value         8.8 kVA           • up to 500 V for current peak value n=20 rated value         8.8 kVA           • up to 500 V for current peak value n=20 rated value         2.5 kVA           • up to 500 V for current peak value n=30 rated value         4.8 kVA           • up to 500 V for current peak value n=30 rated value         5.5 kVA           • up to 500 V for current peak value n=30 rated value         5.5 kVA           • up to 500 V for current peak value n=30 rated value         7.6 kVA           • up to 500 V for current peak value n=30 rated value         7.6 kVA           • up to 500 V for current neak value n=30 rated value         7.6 kVA           • up to 500 V for current neak value n=30 rated value         7.6 kVA           • imited to 1 s switching at zero current maximum         109 A; Use minimum cross-section acc. to AC-1 rated value           • limited to 1 s switching at zero current maximum         128 A; Use minimum cross-section acc. to AC-1 rated value           • limited to 30 s switching at zero current maximum		
• at 690 V rated value     3.5 kW       operating apparent power at AC-6a     3.8 kVA       • up to 230 V for current peak value n=20 rated value     5.6 kVA       • up to 500 V for current peak value n=20 rated value     6.6 kVA       • up to 500 V for current peak value n=20 rated value     8.3 kVA       • up to 690 V for current peak value n=20 rated value     8.3 kVA       • up to 690 V for current peak value n=20 rated value     8.3 kVA       • up to 230 V for current peak value n=30 rated value     2.5 kVA       • up to 500 V for current peak value n=30 rated value     5.5 kVA       • up to 690 V for current peak value n=30 rated value     5.5 kVA       • up to 690 V for current peak value n=30 rated value     5.5 kVA       • up to 690 V for current peak value n=30 rated value     7.6 kVA       short-time withstand current in cold operating state up to 40 *C     4.4 kVA       • up to 500 switching at zero current maximum     100 A; Use minimum cross-section acc. to AC-1 rated value       • limited to 1s switching at zero current maximum     128 J. Use minimum cross-section acc. to AC-1 rated value       • limited to 30 s switching at zero current maximum     128 J. Use minimum cross-section acc. to AC-1 rated value       • et AC     10 000 1/h       • et AC     10 000 1/h       • et AC     10 000 1/h       • et AC-3 maximum     750 1/h       • et AC-3 maximum     750 1/h<		0.5104
operating apparent power at AC-6a       3.8 kVA         • up to 230 V for current peak value n=20 rated value       6.6 kVA         • up to 500 V for current peak value n=20 rated value       8.3 kVA         • up to 690 V for current peak value n=20 rated value       8.3 kVA         • up to 690 V for current peak value n=20 rated value       10.6 kVA         operating apparent power at AC-6a       2.5 kVA         • up to 500 V for current peak value n=30 rated value       2.5 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 500 V for current peak value n=30 rated value       7.6 kVA         short-time withstand current in cold operating state up to 40° °C       1000 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       100 00 1/h         • at AC-1 maximum       1000 1/h         • at AC-2 maximum       750 1/h         • at AC-3 maximum <t< td=""><td></td><td></td></t<>		
• up to 230 V for current peak value n=20 rated value     • up to 400 V for current peak value n=20 rated value     • 6.6 KVA     • up to 500 V for current peak value n=20 rated value     • 6.6 KVA     • up to 500 V for current peak value n=20 rated value     • 10.6 KVA     • up to 500 V for current peak value n=20 rated value     • up to 230 V for current peak value n=20 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • up to 690 V for current peak value n=30 rated value     • Up to 690 V for current peak value n=30 rated value     • Up to 690 V for current peak value n=30 rated value     • Up to 690 V for current peak value n=30 rated value     • limited to 10 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • at AC-     • 10 000 1/h     • at AC-1 maximum     • at AC-1 maximum     • at AC-3 maximum     • at AC-3 maximum     • at AC-4 maximum     • at AC-3		3.5 KW
• up to 400 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 500 V for current peak value n=20 rated value     • up to 690 V for current peak value n=20 rated value     • up to 230 V for current peak value n=30 rated value     • up to 230 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • up to 500 V for current peak value n=30 rated value     • Us to 500 V for current peak value n=30 rated value     • Us to 500 V for current peak value n=30 rated value     • Us to 500 V for current peak value n=30 rated value     • Us to 500 V for current peak value n=30 rated value     • Us to 500 V for current peak value n=30 rated value     • Us thistand current in cold operating state up to     40 °C     • limited to 1 s switching at zero current maximum     • limited to 5 s switching at zero current maximum     • limited to 50 s switching at zero current maximum     • limited to 50 s switching at zero current maximum     • limited to 50 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 10 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • limited to 60 s switching at zero current maximum     • at AC-1 maximum     • at AC-1 maximum     • at AC-1 maximum     • at AC-3 maximum     • at		0.011/4
• up to 500 V for current peak value n=20 rated value     • up to 690 V for current peak value n=20 rated value     10.6 kVA     operating apparent power at AC-6a     • up to 230 V for current peak value n=30 rated value     2.5 kVA     • up to 500 V for current peak value n=30 rated value     4. kVA     • up to 500 V for current peak value n=30 rated value     4. kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 690 V for current peak value n=30 rated value     5.5 kVA     • up to 690 V for current peak value n=30 rated value     5.5 kVA     • up to 690 V for current peak value n=30 rated value     5.5 kVA     • up to 690 V for current peak value n=30 rated value     5.5 kVA     • up to 690 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     7.6 kVA     short-time withstand current in cold operating state up to     40 °C     • to 500 V for current maximum     ilimited to 10 s switching at zero current maximum     169 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 10 s switching at zero current maximum     10 000 1/h     operating frequency     • at AC     10 000 1/h     • at AC-3 maximum     1000 1/h     • at AC-3 maximum     750 1/h     • at AC-3 maximum     750 1/h     • at AC-3 maximum     250 1/h     Control supply voltage tAC     • at 50 Hz rated value     100 V     • at 60 Hz rated value     100 V     • at 60 Hz rated value     100 V     • at 60 Hz rated value     100 V		
• up to 690 V for current peak value n=20 rated value       10.6 kVA         operating apparent power at AC-Ga       2.5 kVA         • up to 230 V for current peak value n=30 rated value       4.4 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 690 V for current peak value n=30 rated value       5.6 kVA         • up to 690 V for current peak value n=30 rated value       7.6 kVA         • up to 690 V for current peak value n=30 rated value       7.6 kVA         short-time withstand current in cold operating state up to 40 °C       •         • limited to 1 s switching at zero current maximum       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • at AC       10 000 1/h         • at AC-1 maximum       1 000 1/h         • at AC-2 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h         • control supply voltage at AC       100 V         • at SD Hz rated value       100 V		
operating apparent power at AC-6a       2.5 kVA         • up to 230 V for current peak value n=30 rated value       4.4 kVA         • up to 400 V for current peak value n=30 rated value       4.4 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 690 V for current peak value n=30 rated value       5.5 kVA         short-time withstand current in cold operating state up to 40° C       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       169 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • at AC       10 000 1/h         • at AC-2 maximum       1 000 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h		
• up to 230 V for current peak value n=30 rated value     2.5 kVA     • up to 400 V for current peak value n=30 rated value     4.4 kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     5.5 kVA     • up to 500 V for current peak value n=30 rated value     7.6 kVA     short-time withstand current in cold operating state up to     40 °C     • Ilmited to 1 s switching at zero current maximum     169 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 10 s switching at zero current maximum     169 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 10 s switching at zero current maximum     128 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 60 s switching at zero current maximum     74 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 60 s switching at zero current maximum     74 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 60 s switching at zero current maximum     74 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 60 s switching at zero current maximum     74 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 60 s switching at zero current maximum     74 A; Use minimum cross-section acc. to AC-1 rated value     • limited to 60 s switching at zero current maximum     74 A; Use minimum cross-section acc. to AC-1 rated value     • at AC-1 maximum     • at AC-2 maximum     1000 1/h     • at AC-3 maximum     1000 1/h     • at AC-3 maximum     250 1/h     • at AC-3 maximum     250 1/h     • at AC-4 maximum     • at AC-4 maximum     000 V     • at 60 Hz rated value     100 V     • at 60 Hz rated value     110 V     • operating range factor control supply voltage rated value of     00 V		10.6 KVA
• up to 400 V for current peak value n=30 rated value       4.4 kVA         • up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 690 V for current peak value n=30 rated value       7.6 kVA         short-time withstand current in cold operating state up to 40°C       7.6 kVA         • limited to 1 s switching at zero current maximum       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 5 s switching at zero current maximum       169 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 5 a switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 3 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • at AC       10 000 1/h         • at AC-1 maximum       10000 1/h         • at AC-3 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum		
• up to 500 V for current peak value n=30 rated value       5.5 kVA         • up to 690 V for current peak value n=30 rated value       7.6 kVA         short-time withstand current in cold operating state up to 40 °C       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       750 1/h         • at AC       10 000 1/h         operating frequency       1000 1/h         • at AC-3 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h         Control circuit/ Control       K         type of voltage of the control supply voltage       AC         • at 60 Hz rated v		
• up to 690 V for current peak value n=30 rated value       7.6 kVA         short-time withstand current in cold operating state up to 40 °C       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1s switching at zero current maximum       169 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • at AC       10 000 1/h         operating frequency       •         • at AC-3 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h         Control circuit/ Control       V         • at AC-4 maximum       250 1/h         Control circuit/ Control <t< td=""><td></td><td></td></t<>		
short-time withstand current in cold operating state up to 40 °C       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       169 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • at AC       10 000 1/h         • at AC       10 000 1/h         • at AC-1 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h         • control supply voltage at AC       4C         • at 60 Hz rated value       100 V         • at 50 Hz rated value       100 V         • at 60 Hz rated value       110 V         • operating range factor control supply voltage rated valu		
40 °C       300 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       169 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       128 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       92 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 61 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 62 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 63 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         • at AC       10 000 1/h       10 000 1/h         • at AC-1 maximum       1000 1/h       100 00 1/h         • at AC-3 maximum       750 1/h       1/h         • at AC-4 maximum       250 1/h       1/h         Control supply voltage at AC       AC       1/h		7.6 KVA
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>limited AC-2 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>bit AC-4 maximum</li> <li>control circuit/ Control</li> <li>type of voltage of the control supply voltage</li> <li>at 60 Hz rated value</li> </ul>		
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>limited AC-2 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>bit AC-4 maximum</li> <li>control circuit/ Control</li> <li>type of voltage of the control supply voltage</li> <li>at 60 Hz rated value</li> </ul>		300 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum92 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum74 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency10 000 1/h• at AC10 000 1/hoperating frequency-• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum100 V• at 50 Hz rated value100 V• at 60 Hz rated value100 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC	Ū.	
<ul> <li>Iimited to 30 s switching at zero current maximum</li> <li>92 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>Iimited to 60 s switching at zero current maximum</li> <li>74 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>no-load switching frequency         <ul> <li>at AC</li> <li>10 000 1/h</li> </ul> </li> <li>operating frequency         <ul> <li>at AC-1 maximum</li> <li>1000 1/h</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>1000 1/h</li> <li>at AC-2 maximum</li> <li>1000 1/h</li> <li>at AC-3 maximum</li> <li>500 1/h</li> <li>at AC-3 maximum</li> <li>500 1/h</li> <li>at AC-3 maximum</li> <li>500 1/h</li> <li>at AC-4 maximum</li> <li>250 1/h</li> </ul> </li> <li>Control circuit/ Control         <ul> <li>type of voltage of the control supply voltage</li> <li>AC</li> <li>at 50 Hz rated value</li> <li>100 V</li> <li>at 60 Hz rated value</li> <li>100 V</li> <li>at 60 Hz rated value</li> <li>100 V</li> <li>at 60 Hz rated value</li> <li>100 V</li> </ul> </li> </ul>	C C	
• limited to 60 s switching at zero current maximum       74 A; Use minimum cross-section acc. to AC-1 rated value         no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         operating frequency       1 000 1/h         • at AC-1 maximum       1 000 1/h         • at AC-2 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h         Control circuit/ Control       XC         type of voltage of the control supply voltage       AC         • at 50 Hz rated value       100 V         • at 60 Hz rated value       100 V         • at 60 Hz rated value       110 V		
no-load switching frequency     10 000 1/h       operating frequency     -       • at AC-1 maximum     1 000 1/h       • at AC-2 maximum     750 1/h       • at AC-3 maximum     750 1/h       • at AC-4 maximum     250 1/h       Control circuit/ Control     250 1/h       type of voltage of the control supply voltage     AC       • at 50 Hz rated value     100 V       • at 60 Hz rated value     110 V       operating range factor control supply voltage rated value of magnet coil at AC	-	
• at AC10 000 1/hoperating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximumAC• at AC-4 maximum100 V• at 50 Hz rated value100 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC		
operating frequencyI• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ Controltype of voltage of the control supply voltageAC• at 50 Hz rated value100 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC		10 000 1/h
• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-3e maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlK• at S0 Hz rated value100 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC110 V		
• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-3e maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlACControl supply voltage at ACAC• at 50 Hz rated value100 V• at 60 Hz rated value110 Voperating range factor control supply voltage rated value of magnet coil at ACItem control supply voltage rated value of magnet coil at AC		1 000 1/h
• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlAC• of voltage of the control supply voltageAC• at 50 Hz rated value100 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at ACIntervent of the control supply voltage rated value of the control supply vo		
• at AC-3e maximum750 1/h• at AC-4 maximum250 1/hControl circuit/ Control250 1/htype of voltage of the control supply voltageACcontrol supply voltage at AC100 V• at 50 Hz rated value100 V• at 60 Hz rated value110 Voperating range factor control supply voltage rated value of magnet coil at AC110 V		
Control circuit/ Control       AC         type of voltage of the control supply voltage       AC         control supply voltage at AC       100 V         • at 50 Hz rated value       100 V         • at 60 Hz rated value       110 V         operating range factor control supply voltage rated value of magnet coil at AC       Image: Control supply voltage rated value of the control supply voltage rated		
Control circuit/ Control         type of voltage of the control supply voltage       AC         control supply voltage at AC       100 V         • at 50 Hz rated value       100 V         • at 60 Hz rated value       110 V         operating range factor control supply voltage rated value of magnet coil at AC       Image: Control supply voltage rated value of the contr	• at AC-4 maximum	250 1/h
type of voltage of the control supply voltage     AC       control supply voltage at AC	Control circuit/ Control	
control supply voltage at AC       100 V         • at 50 Hz rated value       100 V         • at 60 Hz rated value       110 V         operating range factor control supply voltage rated value of magnet coil at AC       100 V		AC
• at 50 Hz rated value         100 ∨           • at 60 Hz rated value         110 ∨           operating range factor control supply voltage rated value of magnet coil at AC         110 ∨		
• at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC		100 V
operating range factor control supply voltage rated value of magnet coil at AC		
	operating range factor control supply voltage rated value of	
	• at 50 Hz	0.8 1.1

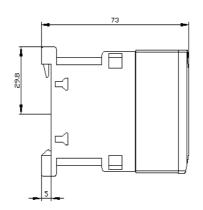
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	36 VA
• at 60 Hz	43 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.8
apparent holding power of magnet coil at AC	
● at 50 Hz	5.9 VA
• at 60 Hz	6.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.24
• at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	10 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
<ul> <li>at 500 V rated value</li> </ul>	2 A
• at 690 V rated value	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
• at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	14 A
at 600 V rated value	11 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	1 hp
— at 230 V rated value	2 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	

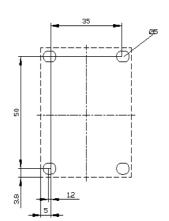
• for short-circuit protection of the main circuit			
- with type of coordination 1 required	gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA)		
- with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward ar backward by +/- 22.5° on vertical mounting surface		
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes		
side-by-side mounting     height	58 mm		
width	45 mm		
depth	73 mm		
required spacing			
with side-by-side mounting			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
• for grounded parts			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
• for live parts			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
<ul> <li>for main current circuit</li> </ul>	screw-type terminals		
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals		
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals		
of magnet coil	Screw-type terminals		
type of connectable conductor cross-sections for main contacts			
• solid	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>		
solid or stranded	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>		
finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
connectable conductor cross-section for main contacts	0.5 4 mm²		
solid     strandod	0.5 4 mm <sup>2</sup>		
stranded     finally stranded with core and processing	0.5 4 mm <sup>2</sup>		
finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts	0.5 2.5 mm²		
solid or stranded	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>		
type of connectable conductor cross-sections			
for auxiliary contacts			
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²		
<ul> <li>— finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12		
AWG number as coded connectable conductor cross			
section			
● for main contacts	20 12		
<ul> <li>for auxiliary contacts</li> </ul>	20 12		
Safety related data			
product function			
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes		
B10 value with high demand rate according to SN 31920	1 000 000		
proportion of dangerous failures			
with low demand rate according to SN 31920	40 %		
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %		

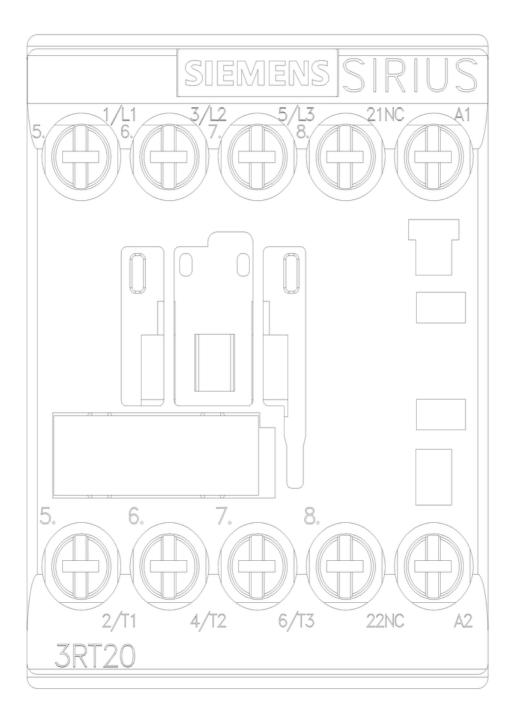
failure rate [FIT] with lo	ow demand rate according	to SN 31920	100 FIT			
T1 value for proof test interval or service life according to IEC 61508		20 a				
protection class IP o	n the front according to I	EC 60529	IP20			
touch protection on	the front according to IEC	60529	finger-safe, for vertical contact from the front			
suitability for use						
<ul> <li>safety-related s</li> </ul>	witching OFF		Yes			
Certificates/ approvals	;					
General Product Ap	proval					
(Sp)	<u>Confirmation</u>		)	<u>ل</u>	<u>KC</u>	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of	Conformity		Test Certificates	
RCM	Type Examination Cer- tificate	CE EG-Konf.	l	UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report
Marine / Shipping						
ABS	BUREAU VERITAS			Llovd's Register us	PRS	RINA
Marine / Shipping	other				Railway	Environment
RMRS	<u>Confirmation</u>	DE	<u>C</u>	<u>onfirmation</u>	Vibration and Shock	Environmental Con- firmations
Further information	d to oxit the Pussion mar					

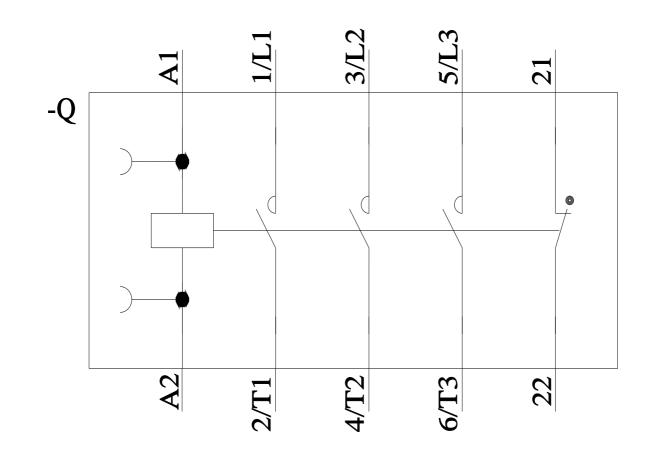
Further information
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2018-1AG62
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2018-1AG62
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1AG62
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2018-1AG62⟨=en
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1AG62/char
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2018-1AG62&objecttype=14&gridview=view1











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