## SIEMENS

## Data sheet

## 3RT2017-4AN62



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 200 V AC, 50 Hz / 200-220 V, 60 Hz, auxiliary contacts: 1 NC, ring cable lug connection, size: 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     1.5 W       • at AC in hot operating state per pole     0.5 W       • without load current share typical     65 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     64V       • of auxiliary circuit rated value     64V       • of main circuit rated value     6 kV       maximum permissible voltage for protective separation between col 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     5000 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		
product type designation         3RT2           General technical data         Solo           Size of contactor         Solo           product extension         No           • function module for communication         No           • auxilary switch         Yes           power loss (W) for rated value of the current         1.5 W           • at AC in hot operating state per pole         6.5 W           • at AC in hot operating state per pole         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 and value         690 V           • of main circuit and value         64V           • of axiliary circuit rated value         50V           • of contactes according to EN 6004-71         200 V           • at AC         1.40 /5 ms, 4.7g / 10 ms           stock resistance with sine pulse         5000 000           • of to contactor with adde descronically optimized         2000 000           • of the contactor with added eucrinally synth block typical	product brand name	SIRIUS
General tochnical dista         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         1.5 W           • at AC in hot operating state         1.5 W           • at AC in hot operating state popie         0.5 W           • without load current share typical         65 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 rated value         64 V           • of main circuit rated value         64 V           • of auxiliary circuit with degree of pollution 3 rated value         64 V           • of auxiliary circuit with 6900 Y         300 V           stack creatistance at rectangular impulse         7.3g / 5 ms, 4.7g / 10 ms           • at AC         11.4g / 5 ms, 7.3g / 10 ms           mechanical service life (operating cycles)         600 000           • of the contactor with added auxiliary swi	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     1.5 W       • at AC in hot operating state     1.5 W       • at AC in hot operating state per pole     0.5 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 main circuit with degree of pollution 3 rated value     690 V       • of auxiliary circuit rated value     6 kV       • of main circuit with degree of pollution 3 rated value     600 V       • of auxiliary circuit rated value     6 kV       • of auxiliary circuit rated value     6 kV       • of auxiliary circuit rated value     6 kV       • of auxiliary switch block typical     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       reference code according to IEC 81346-2     Q       Sublant conditions     200 m	product type designation	3RT2
product extension         No           • function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         1.5 W           • at AC in hot operating state         1.5 W           • at AC in hot operating state per pole         0.5 W           • without load current share typical         6.5 W           • of main circuit with degree of pollution 3 rated value         690 V           • of main gricuit rated value         690 V           • of main circuit rated value         690 V           • of main circuit rated value         6 KV           • of main contacts according to EN 60947-1         500 V           • at AC         1.4 (g / s ms, 7.3g / 10 ms           mechanical service life (operating cycles)         5000 000           • of the contactor with added electronically optimized         5000 000           avaliary switch block typical         0000000 <th>General technical data</th> <th></th>	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         1.5 W           • at AC in hot operating state per pole         0.5 W           • without load current share typical         65 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 rated value         6 kV           • of main circuit rated value         6 kV           • of auxiliary circuit rated value         6 kV           • at AC         7.3g / 5 ms, 7.3g / 10 ms           shock resistance with sine pulse         5 000 000           • at AC         11.4g / 5 ms, 7.3g / 10 ms           mechanical service life (operating cycles)         0 000 000           • of contactor with added auxiliary switch block typical         10 000 000           refere	size of contactor	S00
• auxiliary switch       Yes         power loss [W] for rated value of the current	product extension	
power loss [W] for rated value of the current         4 AC in hot operating state         1.5 W           at AC in hot operating state per pole         0.5 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 with degree of pollution 3 rated value         690 V           of main circuit with degree of pollution 3 rated value         60 V           surge voltage resistance         6 kV           of auxiliary circuit rated value         6 kV           of auxiliary circuit rated value         6 kV           of auxiliary circuit rated value         6 kV           of auxiliary scircuit rated value         6 kV           of consistance at rectangular impulse         -           ot AC         7.3g / 5 ms, 4.7g / 10 ms           shock resistance with sine pulse         5 000 000           of the contactor with added auxiliary switch block typical         10 000 000           of the contactor with a	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state       1.5 W         • at AC in hot operating state prole       0.5 W         • without load current share typical       65 W         insulation voltage       690 V         • 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 rated value       690 V         • of auxiliary circuit rated value       6 kV         • of auxiliary since for protective separatio between collard main contacts according to EV 80471       400 V         shock resistance at rectangular impulse       400 V         • at AC       11.4g / 5 ms, 7.3g / 10 ms         rechanical service life (operating cycles)       5000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000	auxiliary switch	Yes
• at AC in hot operating state per pole       0.5 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 main circuit rated value       690 V         • of main circuit rated value       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit with degree of pollution between       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 the contactor with added electronically optimized auxiliary switch block 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         ambient conditions       2       2<	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       680 V         • of main circuit with degree of pollution 3 rated value       680 V         • 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       7 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       10000 000         • of the contactor with added electronically optimized auxiliary switch block typical       1001/2009         Ambient conditions       2000 m         reference code according to EC 81346-2       Q         • during storage       -55 +60 °C         • during storage       -55 +60 °C	<ul> <li>at AC in hot operating state</li> </ul>	1.5 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 main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         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           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 cod according to IEC 81346-2         Q           Substance Prohibitance (Date)         10/01/2009           Ambient temperature <t< th=""><td><ul> <li>at AC in hot operating state per pole</li> </ul></td><td>0.5 W</td></t<>	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W
• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• surge voltage resistance6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1400 V• at AC7,3g / 5 ms, 4,7g / 10 ms• at AC7,3g / 5 ms, 7,3g / 10 ms• at AC11.4g / 5 ms, 7,3g / 10 ms• at AC30 000 000• of ontactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0 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 typical0 000 m• of the contactor with added auxiliary switch block typical10 000 00• of the contactor with added auxiliary switch block typical0 000 m• of uring operation-25 +60 °C• during storage-25 +60 °C• during storage-25 +60 °C• during storage to according to EEC 60068-2-3095 % <t< th=""><td><ul> <li>without load current share typical</li> </ul></td><td>6.5 W</td></t<>	<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       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 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 EEC 81346-2       Q         Substance Prohibitance (Date)       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidi	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 ciol and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       -         • at AC       7.3g / 5 ms, 4.7g / 10 ms         shock resistance with sine pulse       -         • at AC       11.4g / 5 ms, 7.3g / 10 ms         mechanical service life (operating cycles)       -         • of 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         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Ambient conditions       2 000 m	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1400 V• at AC7,3g / 5 ms, 4,7g / 10 ms• btock resistance at rectangular impulse • at AC7,3g / 5 ms, 4,7g / 10 ms• at AC11,4g / 5 ms, 7,3g / 10 ms• btock resistance life (operating cycles) • of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical30 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 1000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical00 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical2000 mInstallation altitude at height above sea level maximum2 000 m• during operation-25 +60 °C• during operation-55 +80 °C• during storage-55 +80 °C• relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	<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 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       7,3g / 5 ms, 7,3g / 10 ms         • at AC       11,4g / 5 ms, 7,3g / 10 ms         mechanical service life (operating cycles)       1000 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         enduing operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30       35 %         maximum       25 %	surge voltage resistance	
maximum permissible voltage for protective separation between       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)       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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         95 %       95 %	<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           shock resistance with sine pulse           • at AC           at AC           mechanical service life (operating cycles)           • of contactor typical           • of the contactor with added electronically optimized           • 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           • 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	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at AC7,3g / 5 ms, 4,7g / 10 msshock resistance with sine pulse		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       5 000 000         • 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 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 typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• mistallation altitude at height above sea level maximum2 000 m• ambient temperature • during operation • during storage-25 +60 °C• during storage-25 +80 °C• relative 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       5 000 000         • 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       4000000000000000000000000000000000000	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 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
5 000 000• of the contactor with added electronically optimized 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 -55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	mechanical service life (operating cycles)	
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-25 +60 °C• during operation-25 +80 °C• during storage-55 +80 °Crelative humidity minimum10 %stallation alticute95 %	<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 %	Substance Prohibitance (Date)	10/01/2009
ambient temperature     -25       • during operation     -25       • during storage     -55       relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30 maximum     95 %	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 %	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 %	ambient temperature	
relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       95 %	<ul> <li>during operation</li> </ul>	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	during storage	-55 +80 °C
maximum 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
operating voltage	
at AC-3 rated value maximum	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• 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	20 A
value	
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
● at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	7.2 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	7.2 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	7.2 A
— up to 690 V for current peak value n=20 rated value	6.7 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	4.8 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	4.1 A
at 690 V rated value	3.3 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
• with 2 current paths in series at DC-1	
— 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
• at 1 current path at DC-3 at DC-5	

— at 24 V rated value	20 A
— at 60 V rated value	0.5 A
— 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
— 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
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
operating power	
• at AC-3	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
• at AC-3e	
- at 230 V rated value	3 kW
— at 200 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-	5.5 KW
4	
• at 400 V rated value	2 kW
• at 690 V rated value	2.5 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	2.8 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	4.9 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	6.2 kVA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	8 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1.9 kVA
• up to 400 V for current peak value n=30 rated value	3.3 kVA
• up to 500 V for current peak value n=30 rated value	4.1 kVA
• up to 690 V for current peak value n=30 rated value	5.7 kVA
short-time withstand current in cold operating state up to	
40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	123 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	74 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	61 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	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-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	200 V
at 60 Hz rated value	220 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.81.1

• 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
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
at 400 V rated value	3 A
at 500 V rated value	2 A
at 690 V rated value	1A
operational current at DC-12	
at 24 V rated value	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	1A
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
at 40 V rated value	2 A
at 110 V rated value	1A
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	11 A
at 600 V rated value	11 A
yielded mechanical performance [hp]	
for single-phase AC motor	
- at 110/120 V rated value	0.5 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	3 hp
— at 460/480 V rated value	7.5 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	
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	rotection of the main circuit					
	coordination 1 required		gG: 50A (690V,100kA), a	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
— with type of	assignment 2 required		gG: 20A (690V,100kA), a	aM: 16A (690V, 100kA), BS88: 20	A (415V, 80kA)	
<ul> <li>for short-circuit p</li> </ul>	rotection of the auxiliary swite	ch required	gG: 10 A (500 V, 1 kA)			
nstallation/ mounting/	dimensions					
mounting position				on vertical mounting surface; car vertical mounting surface	be tilted forward and	
fastening method			screw and snap-on mounting onto 35 mm DIN rail according to DIN EN			
side-by-side mouth	inting		Yes			
height width			58 mm 45 mm			
			73 mm			
depth			7311111			
required spacing	mounting					
<ul> <li>with side-by-side</li> <li>— forwards</li> </ul>	mounting		10 mm			
			10 mm			
— upwards — downwards			10 mm			
— at the side			0 mm			
<ul> <li>for grounded par</li> </ul>	to		0 mm			
<ul> <li>for grounded par — forwards</li> </ul>	15		10 mm			
			10 mm			
— upwards — at the side			6 mm			
			10 mm			
— downwards						
<ul> <li>for live parts</li> </ul>			10			
— forwards			10 mm			
— upwards			10 mm			
— downwards	i		10 mm			
— at the side			6 mm			
Connections/ Terminals						
type of electrical con						
• for main current			Ring cable lug connection			
for auxiliary and control circuit		ring terminal lug connection				
at contactor for a	iuxiliary contacts		Ring cable lug connection			
<ul> <li>of magnet coil</li> </ul>			Ring cable lug connection			
afety related data						
product function						
	cording to IEC 60947-4-1		Yes			
	mand rate according to SN 31	920	1 000 000			
proportion of dangero						
	rate according to SN 31920		40 %			
	d rate according to SN 31920		73 %			
failure rate [FIT] with low demand rate according to SN 31920		100 FIT				
T1 value for proof test i 61508	nterval or service life accordir	ng to IEC	20 a			
protection class IP on the front according to IEC 60529 suitability for use		IP00				
safety-related switching OFF		Yes				
Certificates/ approvals	<u> </u>					
General Product App	roval					
A	Confirmation			KC		
œ		(	(UL)		EHL	
CSA		ccc	UL			
	Functional					

RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Register	PRS	RINA
Marine / Shipping	other		Railway	Environment	
RMRS	<u>Confirmation</u>	VDE	Vibration and Shock	Environmental Con- firmations	
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=3RT2017-4AN62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-4AN62

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-4AN62

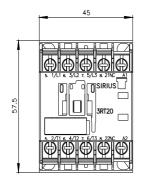
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

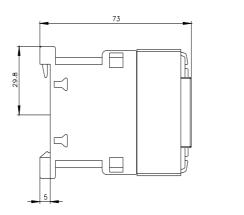
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-4AN62&lang=en

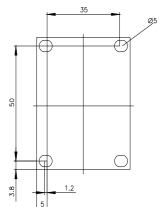
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

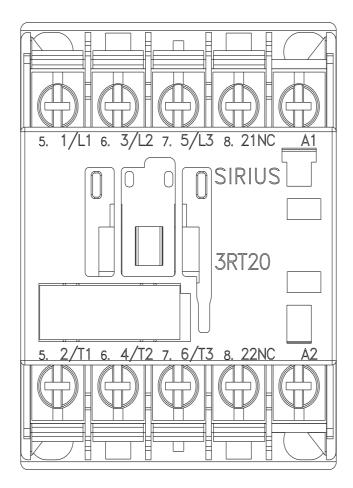
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-4AN62/char

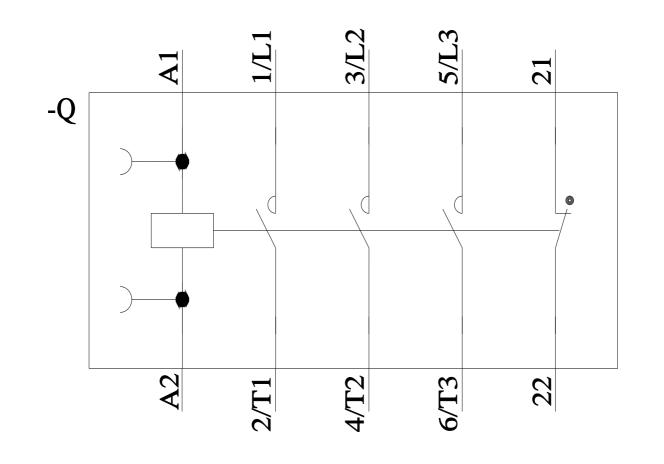
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-4AN62&objecttype=14&gridview=view1











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