## SIEMENS

## Data sheet

## 3RT2015-2BE41



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 60 V DC, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00,

product brand name         SIRUS           product brand dasi         9xer contactor           orduct type designation         9x12           General technical data         500           orduct type designation         S00           orduct type designation         S00           orduct stension         No           • function module for communication         No           • auxiliary witch         Yes           orduct stension         4           • at AC in hot operating state         0.6 W           • at AC in hot operating state per pole         0.2 W           • without load current share typical         4 W           insultary circuit with degree of pollution 3 rated value         600 V           • of main circuit with degree of pollution 3 rated value         600 V           • of auxiliary circuit rated value         64V           • of auxiliary circuit rated value         61V           • at DC         6.7g / 5 ms, 6.6g / 10 ms           mechanicat seruce life (operating cycles)         0.000	THE ALL	
product type designation         3RT2           General tochnical data	product brand name	SIRIUS
General technical 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     0.6 W       • at AC in hot operating state     0.6 W       • at AC in hot operating state propel     0.2 W       • without load current share typical     4W       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 main circuit with degree of pollution 3 rated value     64V       • of auxiliary circuit rated value     61V       • of auxiliary circuit rated value     61V       • at DC     6.7g / 5 ms, 4.2g / 10 ms       • at DC     10.5g / 5 ms, 6.6g / 10 ms       • of the contactor with added alcetonically optimized auxiliary switch block typical     30 000 000       • of the contactor with added alcettonically optimized auxiliary switch block typical     1000 000       • of the contactor with added alcettonically optimized auxiliary switch block typical     1000 000       • of the conta	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     0.6 W       • at AC in hot operating state per pole     0.2 W       • without load current share typical     4 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       • of auxiliary circuit rated value     64 V       • of auxiliary switch block typical     60 0 V       • of contactor vith added electronically optimized     400 V       • at DC     10.5g / 5 ms, 6.6g / 10 ms       mechanical service life (operating cycles)     5 000 000       • of the contactor with added electronically optimized     30 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       reference code according to IEC 61324-2     Q	product type designation	3RT2
product extension         No           • function module for communication         No           • auxillary switch         Yes           • at AC in hot operating state         0.6 W           • at AC in hot operating state per pole         0.2 W           • without load current share typical         4 W           insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         64V           • of main contacts according to EN 60947-1         6.7g / 5 ms, 4.2g / 10 ms           • at DC         10.5g / 5 ms, 6.6g / 10 ms           • at DC         10.5g / 5 ms, 6.6g / 10 ms           • of the contactor with added electronically optimized auxiliary switch block typical         30 000 000           • of the contactor with added electronically optimized auxiliary sw	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         0.6 W           • at AC in hot operating state per pole         0.2 W           • without load current share typical         4 W           insulation voitage         600 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         600 V           • of main circuit ated value         6k V           • of main circuit rated value         6 kV           • of auxiliary contacts exprese         6.7g / 5 ms, 4.2g / 10 ms           • at DC         10.5g / 5 ms, 6.6g / 10 ms           • at DC         10.0g / 5 ms, 6.6g / 10 ms           • at DC         10.000 000           • of contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary s	size of contactor	S00
exciliary switch         Yes           power loss [W] for rated value of the current	product extension	
power loss [W] for rated value of the current         0.6 W           • at AC in hot operating state         0.6 W           • at AC in hot operating state per pole         0.2 W           • without load current share typical         4 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 main circuit rated value         64 V           • of main circuit rated value         64 V           • of main circuit rated value         64 V           • of auxiliary circuit rated value         64 V           • at DC         6.7g / 5 ms, 4.2g / 10 ms           • at DC         10.5g / 5 ms, 6.6g / 10 ms           • at DC         10.5g / 5 ms, 6.6g / 10 ms           • 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	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state     0.6 W       • at AC in hot operating state per pole     0.2 W       • without load current share typical     4 W       Insulation voitage     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     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • 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       • ot auxiliary circuit rated value     6 kV       • ot auxiliary circuit rated value     6 kV       • at DC     6.7g / 5 ms, 4.2g / 10 ms       • at DC     10.5g / 5 ms, 6.6g / 10 ms       • at DC     10.5g / 5 ms, 6.6g / 10 ms       • of the contactor with added electronically optimized auxiliary switch block typical     5 000 000       • 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	auxiliary switch	Yes
• at AC in hot operating state per pole       0.2 W         • without load current share typical       4 W         insulation voltage       60 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 auxiliary circuit rated value       6 kV         • of and main contacts ecording to EN 60947-1       400 V         • at DC       6.7g / 5 ms, 4.2g / 10 ms         • at DC       10.5g / 5 ms, 6.6g / 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 auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2 <th>power loss [W] for rated value of the current</th> <th></th>	power loss [W] for rated value of the current	
• without load current share typical       4 W         insulation voltage       690 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 auxiliary circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between circuit and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       6.7g / 5 ms, 4.2g / 10 ms         • at DC       6.7g / 5 ms, 6.6g / 10 ms         • at DC       10.5g / 5 ms, 6.6g / 10 ms         • 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 auxiliary switch block typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 200         • of the contactor with addee electronically optimized auxiliary switch block typical       10 000 000         • of the contac	<ul> <li>at AC in hot operating state</li> </ul>	0.6 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       600 V         • of main circuit rated value       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 DC       6.7g / 5 ms, 4.2g / 10 ms         shock resistance with sine pulse       -         • at DC       10.5g / 5 ms, 6.6g / 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009     <	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 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     690 V       • 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 coll and main contacts according to EN 60947-1     400 V       shock resistance at rectangular impulse     400 V       • at DC     6.7g / 5 ms, 4.2g / 10 ms       shock resistance with sine pulse     900 000       • at DC     10.5g / 5 ms, 6.6g / 10 ms       mechanical service life (operating cycles)     900 000       • 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     -25 +60 °C       • during storage     -25 +60 °C       •	<ul> <li>without load current share typical</li> </ul>	4 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         • of auxiliary circuit rated value       6 kV         • ad DC       600 V         • at DC       6,7g / 5 ms, 4,2g / 10 ms         • at DC       10,5g / 5 ms, 6,6g / 10 ms         • at DC       10,5g / 5 ms, 6,6g / 10 ms         • at DC       10,5g / 5 ms, 6,6g / 10 ms         • at DC       10,5g / 5 ms, 6,6g / 10 ms         • at DC       10,000 000         • 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         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added set elevel maximum       2 000 m         ambient conditions       2 000 m         Installation altitude at height above sea level maximum       2 000 m         • during sorage	insulation voltage	
surge voltage resistance         K           • 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         6,7g / 5 ms, 4,2g / 10 ms           shock resistance with sine pulse         6,7g / 5 ms, 6,6g / 10 ms           • at DC         10,5g / 5 ms, 6,6g / 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)         2000 m           ambient conditions         2 000 m           ambient conditions         -25 +60 °C           • during operation         -25 +60 °C           • during storage         -55 +80 °C           relative humidity at 55 °C according to IEC 60068-2-30         95 %	<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         maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       6,7g / 5 ms, 4,2g / 10 ms         • at DC       6,7g / 5 ms, 6,6g / 10 ms         shock resistance with sine pulse       -         • at DC       10,5g / 5 ms, 6,6g / 10 ms         mechanical service life (operating cycles)       -         • 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         reference code according to IEC 81346-2       Q         Ambient conditions       2000 m         ambient temperature       -         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %	of auxiliary circuit with degree of pollution 3 rated value	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       6,7g / 5 ms, 4,2g / 10 ms         • at DC       6,7g / 5 ms, 4,2g / 10 ms         shock resistance with sine pulse       10,5g / 5 ms, 6,6g / 10 ms         • at DC       10,5g / 5 ms, 6,6g / 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         • 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 %	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       6,7g / 5 ms, 4,2g / 10 ms         • at DC       6,7g / 5 ms, 6,6g / 10 ms         shock resistance with sine pulse       10,5g / 5 ms, 6,6g / 10 ms         • at DC       10,5g / 5 ms, 6,6g / 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         eference 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       -55 +60 °C         • during operation       -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       Anticipation of the contacts according to EN 60947-1         shock resistance at rectangular impulse <ul> <li>at DC</li> <li>6,7g / 5 ms, 4,2g / 10 ms</li> <li>shock resistance with sine pulse</li> <li>at DC</li> <li>10,5g / 5 ms, 6,6g / 10 ms</li> <li>mechanical service life (operating cycles)</li> <li>of contactor typical</li> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor is according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>ambient temperature</li> <li>during operation</li> <li>-25 +60 °C</li> <li>-55 +80 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> <li>Main circuit</li> <li>Mai</li></ul>	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at DC6,7g / 5 ms, 4,2g / 10 msshock resistance with sine pulse10,5g / 5 ms, 6,6g / 10 ms• at DC10,5g / 5 ms, 6,6g / 10 msmechanical service life (operating cycles)000 000• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical2000 m• of the contactor with added auxiliary switch block typical2 000 m• of the contactor with added auxiliary switch block typical2 000 m• of the contactor with added auxiliary switch block typical2 000 m• during operation-25 +60 °C• during storage-55 +80 °C• elative humidity at 55 °C according to IEC 60068-2-30 maximum95 %		400 V
shock resistance with sine pulse       in 5g / 5 ms, 6,6g / 10 ms         mechanical service life (operating cycles)       in 0,5g / 5 ms, 6,6g / 10 ms         i of contactor typical       30 000 000         i of the contactor with added electronically optimized auxiliary switch block typical       5 000 000         i of the contactor with added auxiliary switch block typical       10 000 000         i 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 allitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         i during operation       -25 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %	shock resistance at rectangular impulse	
• at DC10,5g / 5 ms, 6,6g / 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 typical10 000 000• of the contactor with added auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typical20 000 000• of the contactor with added auxiliary switch block typical2000 m• attractor ditions2 000 m• installation altitude at height above sea level maximum2 000 m• ambient temperature • during operation • during storage-25 +60 °C• during storage-25 +60 °C• relative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at DC	6,7g / 5 ms, 4,2g / 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 +60 °C         • during storage       -55 +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 	• at DC	10,5g / 5 ms, 6,6g / 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 %	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 %	during operation	-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	18 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	18 A
— up to 690 V at ambient temperature 60 °C rated	16 A
value	
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-4 at 400 V rated value	6.5 A
at AC-5a up to 690 V rated value	15.8 A
• at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	4 A 4 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	3.8 A
— up to 500 V for current peak value n=20 rated value	3.6 A
• at AC-6a	5.0 A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	2.7 A
— up to 200 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated	2.5 mm <sup>2</sup>
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.42 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— at 24 V rated value	15 A			
— at 60 V rated value	0.35 A			
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	15 A			
— at 60 V rated value	3.5 A			
— at 110 V rated value	0.25 A			
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	15 A			
— at 60 V rated value	15 A			
— at 110 V rated value	15 A			
— at 220 V rated value	1.2 A			
— at 440 V rated value	0.14 A			
— at 600 V rated value	0.14 A			
operating power				
• at AC-3				
— at 230 V rated value	1.5 kW			
— at 400 V rated value	3 kW			
— at 500 V rated value	3 kW			
— at 690 V rated value	4 kW			
• at AC-3e				
— at 230 V rated value	1.5 kW			
— at 400 V rated value	3 kW			
— at 500 V rated value	3 kW			
— at 690 V rated value	4 kW			
operating power for approx. 200000 operating cycles at AC-				
4				
• at 400 V rated value	1.15 kW			
• at 690 V rated value	1.15 kW			
operating apparent power at AC-6a				
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	1.5 kVA			
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	2.7 kVA			
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	3.3 kVA			
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	4.3 kVA			
operating apparent power at AC-6a				
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1 kVA			
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	1.8 kVA			
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	2.2 kVA			
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	2.9 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>	120 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	67 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	43 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at DC	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	DC			
control supply voltage at DC				
rated value	60 V			
operating range factor control supply voltage rated value of magnet coil at DC				
initial value	0.8			
• full-scale value	1.1			
closing power of magnet coil at DC	4 W			

helding never of mermet call of DC	4.141		
holding power of magnet coil at DC	4 W		
closing delay			
• at DC	30 100 ms		
opening delay			
• at DC	7 13 ms		
arcing time	10 15 ms		
control version of the switch operating mechanism	Standard A1 - A2		
Auxiliary circuit			
number of NO contacts for auxiliary contacts instantaneous contact	1		
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		
• at 500 V rated value	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		
• at 60 V rated value	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	4.8 A		
<ul> <li>at 600 V rated value</li> </ul>	6.1 A		
yielded mechanical performance [hp]			
for single-phase AC motor			
— at 110/120 V rated value	0.25 hp		
— at 230 V rated value	0.75 hp		
• for 3-phase AC motor			
— at 200/208 V rated value	1.5 hp		
— at 220/230 V rated value	2 hp		
— at 460/480 V rated value	3 hp		
— at 575/600 V rated value	5 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
-			
<ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> </ul>	aC: 354 (600)/ 100k4) aM: 204 (600)/ 100k4) DC09, 254 (445)/ 00k4)		
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
<ul> <li>with type of assignment 2 required</li> <li>for short circuit protection of the auxiliary switch required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and		
	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		
side-by-side mounting	Yes		
height	70 mm		
width depth	45 mm 73 mm		

required spacing			
• with side-by-side mounting	10		
— 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			
for main current circuit	spring-loaded terminals		
for auxiliary and control circuit	spring-loaded terminals		
at contactor for auxiliary contacts	Spring-type terminals		
of magnet coil	Spring-type terminals		
type of connectable conductor cross-sections for main contacts			
• solid	2x (0.5 4 mm²)		
<ul> <li>solid or stranded</li> </ul>	2x (0,5 4 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)		
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)		
connectable conductor cross-section for main contacts			
• solid	0.5 4 mm²		
stranded	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²		
finely stranded without core end processing	0.5 2.5 mm²		
connectable conductor cross-section for auxiliary contacts			
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²		
finely stranded without core end processing	0.5 2.5 mm²		
type of connectable conductor cross-sections			
for auxiliary contacts			
— solid or stranded	2x (0,5 4 mm <sup>2</sup> )		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )		
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )		
for AWG cables for auxiliary contacts	2x (20 12)		
AWG number as coded connectable conductor cross section			
for main contacts	20 12		
for auxiliary contacts	20 12		
Safety related data			
product function			
mirror contact according to IEC 60947-4-1	Yes; with 3RH29		
suitability for use safety-related switching OFF	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 %		
with high demand rate according to SN 31920	73 %		
failure rate [FIT] with low demand rate according to SN 31920	100 FIT		
T1 value for proof test interval or service life according to EC	20 a		
61508			
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
Certificates/ approvals			
General Product Approval			

(SP) Can	CCC	<u>Confirmation</u>	(U) UI	KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conform	mity	Test Certificates		
RCM	<u>Type Examination Cer-</u> tificate	UK CA	CE EG-Konf.	Special Test Certific- ate	Type Test Certific- ates/Test Report	
Marine / Shipping						
ABS	B UREAU VERITAS		Lloyd's Register us	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good	Environment	
KMRS	<u>Confirmation</u>		<u>Vibration and Shock</u>	Transport Information	Environmental Con- firmations	
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

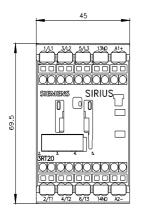
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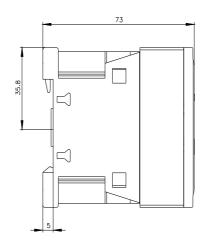
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-2BE41&lang=en

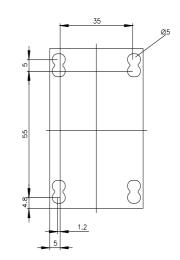
Characteristic: Tripping characteristics, I2t, Let-through current

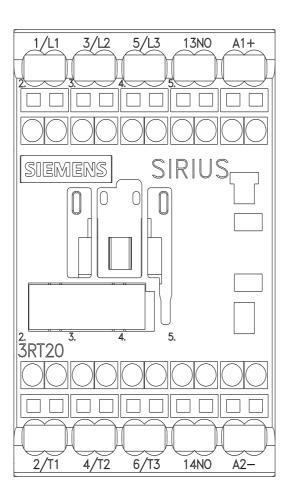
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2BE41/char Further characteristics (e.g. electrical endurance, switching frequency)

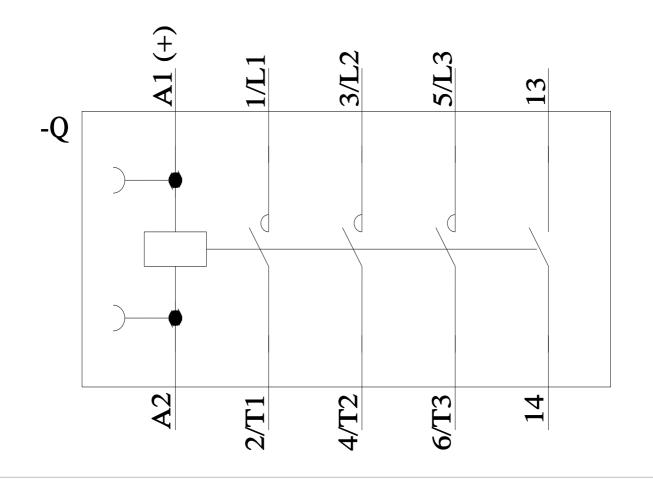
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