# SIEMENS

#### Data sheet

### 3RT2035-1AN60



power contactor, AC-3e/AC-3, 41 A, 18.5 kW / 400 V, 3-pole, 200 V AC, 50 Hz / 200-220 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2

product brand name         SIRIUS           product vise designation         Power contactor           or duct vise designation         SR12           Central technical data         S2           product visension         No           • function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         6.5 W           • at AC in hot operating state         6.5 W           • at AC in hot operating state per pole         2.2 W           • without load current stare typical         6.5 W           • of main circult with degree of pollution 3 rated value         690 V           • of auxiliary circult with degree of pollution 3 rated value         690 V           • of auxiliary circult rated value         64 V           • of auxiliary circult rated value         54 V           • of auxiliary circult rated value         64 V	1/13 M/13	
product type designation         3RT2           Canoral technical data	product brand name	SIRIUS
General technical data     S2       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     6.6 W       • at AC in hot operating state     6.6 W       • at AC in hot operating state probe     2.2 W       • without load current share typical     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     68 V       • of main circuit with degree of pollution 3 rated value     68 V       • of main circuit rated value     64 V       • of auxiliary circuit rated value     118 g / 5 ms, 7.4g / 10 ms       • at AC     118 g / 5 ms, 7.4g / 10 ms       • at AC     118 g / 5 ms, 7.4g / 10 ms       • et AC     118 g / 5 ms, 7.4g / 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	product designation	Power contactor
size of contactor     §2       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     6.6 W       • at AC in hot operating state per pole     2.2 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 KV       • of main circuit rated value     64 KV       • of auxiliary set to bolds for potentice separation between contrates according to EN 60947-1     400 V       shock resistance with sine pulse     11.8g / 5 ms, 7.4g / 10 ms       • at AC     11.8g / 5 ms, 7.4g / 10 ms       mechanical service life (operating cycles)     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       reference code according to IEC 613	product type designation	3RT2
product extension	General technical data	
• function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     6.6 W       • at AC in hot operating state     6.6 W       • at AC in hot operating state per pole     2.2 W       • without load current share typical     6.5 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 ated value     6 kV       • of main circuit ated value     6 kV       • of main circuit ated value     6 kV       • of main circuit rated value     6 kV       • of auxiliary circuit rated value     18 g/ 5 ms, 7.4g / 10 ms       • at AC     18 g/ 5 ms, 7.4g / 10 ms       • at AC     18 g/ 5 ms, 7.4g / 10 ms       • at AC     18 d/ 5 ms, 7.4g / 10 ms       • at AC     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 c	size of contactor	S2
• auxiliary switch         Yes           power loss [W] for rated value of the current         6.6 W           • at AC in hot operating state per pole         2.2 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 main circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit rated value         6 kV           • of auxiliary scircuit pice         100 00 V           • of auxiliary scircuit pice         18.5g / 5 ms, 7.4g / 10 ms           • of contactor typical         10 000 000           • of the contactor with added electronically optimi	product extension	
power loss [W] for rated value of the current       6.6 W         e at AC in hot operating state per pole       2.2 W         e at AC in hot operating state per pole       2.2 W         e without load current share typical       6.5 W         Insulation voltage       6.9 V         of main dircuit with degree of pollution 3 rated value       690 V         of auxiliary circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 kV         • of auxiliary circuit rated value       6 kV         • at AC       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse       10 000 000         • 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         • of the contactor with added auxiliary switch block typical       10 000 000         refature for bibitance	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state       6.6 W         • at AC in hot operating state per pole       2.2 W         • without load current share typical       6.5 W         insultation voltage       6.6 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 rated value       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         • at AC       11.8g / 5 ms, 7.4g / 10 ms         shock resistance at rectangular impulse       at AC         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of the contactor with added electronically optimized       5 000 000         • auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block ty	auxiliary switch	Yes
• at AC in hot operating state per pole       2.2 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       68 V         • of main circuit with degree of pollution 2 rated value       6 kV         • of main circuit with degree of pollution 3 rated value       6 kV         • of main circuit with degree of pollution 3 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         • at AC       11.8g / 5 ms, 7.4g / 10 ms         mechanical service life (operating cycles)       6         • of contactor 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	power loss [W] for rated value of the current	
• 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 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       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse       10 000 000         • of the contactor typical       10 000 000         • 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         reference code according to IEC 81346-2       Q         Substance	<ul> <li>at AC in hot operating state</li> </ul>	6.6 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       6 kV         • 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         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       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse       18.5g / 5 ms, 11.8g / 10 ms         • at AC       18.5g / 5 ms, 11.8g / 10 ms         • of 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)       10/01/2014         Ambient temperature       -55 +60 °C         • during storage       -55 +60 °C         • during storage       -55 +80 °C         • relative humidity minimum       10 %	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.2 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       maximum permissible voltage for protective separation between     400 V       coli and main contacts according to EN 60947-1     400 V       shock resistance at rectangular impulse     400 V       • at AC     11.8g / 5 ms, 7.4g / 10 ms       shock resistance with sine pulse     18.5g / 5 ms, 11.6g / 10 ms       • at AC     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 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 contacto	<ul> <li>without load current share typical</li> </ul>	6.5 W
• of auxillary circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxillary circuit rated value       6 kV         • of auxillary circuit rated value       6 kV         • of auxillary circuit rated value       6 kV         • at AC       400 V         • at AC       18.5g / 5 ms, 7.4g / 10 ms         • at AC       18.5g / 5 ms, 11.6g / 10 ms         • of contactor typical       10 000 000         • of the contactor with added electronically optimized 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         • 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       -25 +60 °C         • during storage       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2.30       95 %	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 coil and main contacts according to EN 60947.1       400 V         shock resistance at rectangular impulse       400 V         • at AC       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse       11.8g / 5 ms, 11.6g / 10 ms         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (operating cycles)       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)       10/01/2014         Ambient conditions       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         • during storage       -55 +80 °C         • felative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       Main circuit	<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         • 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       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse       11.8g / 5 ms, 7.4g / 10 ms         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (operating cycles)       00000         • of the contactor 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         Ambient conditions       2000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         95 %       95 %	<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       400 V         • at AC       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse       11.8g / 5 ms, 7.4g / 10 ms         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (operating cycles)       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 auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during storage       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       10 %	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>th 8g / 5 ms, 7.4g / 10 ms</li> </ul> shock resistance with sine pulse <ul> <li>at AC</li> <li>th 85g / 5 ms, 11.6g / 10 ms</li> <li>of contactor typical</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 othe contactor with added auxiliary switch block typical</li> <li>of othe contactor with added auxiliary switch block typical</li> <li>th 000 000</li> </ul> 10 000 000           reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         10/01/2014           Ambient conditions         2 000 m <ul> <li>installation altitude at height above sea level maximum</li> <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	<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       11.8g / 5 ms, 7.4g / 10 ms         shock resistance with sine pulse         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of contactor 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         Ambient conditions       2000 m         ambient temperature       -25 +60 °C         • during operation       -25 +80 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at AC11.8g / 5 ms, 7.4g / 10 msshock resistance with sine pulse		400 V
shock resistance with sine pulse       at AC         • at AC       18.5g / 5 ms, 11.6g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of contactor 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         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 AC18.5g / 5 ms, 11.6g / 10 msmechanical service life (operating cycles)0• of contactor typical10 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 typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2014Ambient conditions2 000 minstallation altitude at height above sea level maximum e 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	11.8g / 5 ms, 7.4g / 10 ms
mechanical service life (operating cycles)       10 000 000         • of contactor typical       10 000 000         • 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)       10/01/2014         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 typical10 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)10/01/2014Ambient 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	18.5g / 5 ms, 11.6g / 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)10/01/2014Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	mechanical service life (operating cycles)	
auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         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>	10 000 000
reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2014         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 %		5 000 000
Substance Prohibitance (Date)       10/01/2014         Ambient conditions       installation altitude at height above sea level maximum       2 000 m         ambient temperature       2 000 m         • 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)	10/01/2014
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	ambient temperature	
relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30 maximum     95 %       Main circuit     40 %	<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
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
	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	
at AC-1 at 400 V at ambient temperature 40 °C rated	60 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	60 A
value	
— up to 690 V at ambient temperature 60 °C rated value	55 A
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value	35 A
• at AC-5a up to 690 V rated value	52.8 A
• at AC-5b up to 400 V rated value	33.2 A
● at AC-6a	
— up to 230 V for current peak value n=20 rated value	36.5 A
— up to 400 V for current peak value n=20 rated value	36.5 A
— up to 500 V for current peak value n=20 rated value	36.5 A
— up to 690 V for current peak value n=20 rated value	24 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	24.2 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	24.2 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	24.2 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	22 A
• at 690 V rated value	18.5 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	23 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
- at 110 V rated value	55 A
- at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— at 24 V rated value	35 A			
— at 60 V rated value	6 A			
— at 220 V rated value	1 A			
— at 440 V rated value	0.1 A			
— at 600 V rated value	0.06 A			
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	55 A			
— at 60 V rated value	45 A			
— at 110 V rated value	25 A			
— at 220 V rated value	5 A			
— at 440 V rated value	0.27 A			
— at 600 V rated value	0.16 A			
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	55 A			
— at 60 V rated value	55 A			
— at 110 V rated value	55 A			
— at 220 V rated value	25 A			
— at 440 V rated value	0.6 A			
— at 600 V rated value	0.35 A			
operating power				
• at AC-2 at 400 V rated value	18.5 kW			
• at AC-3				
— at 230 V rated value	11 kW			
— at 400 V rated value	18.5 kW			
— at 500 V rated value	22 kW			
— at 690 V rated value	22 kW			
• at AC-3e				
— at 230 V rated value	11 kW			
— at 400 V rated value	18.5 kW			
— at 500 V rated value	22 kW			
— at 690 V rated value	22 kW			
operating power for approx. 200000 operating cycles at AC-	ZZ KVV			
4				
<ul> <li>at 400 V rated value</li> </ul>	11.6 kW			
<ul> <li>at 690 V rated value</li> </ul>	16.8 kW			
operating apparent power at AC-6a				
<ul> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	14.5 kVA			
• up to 230 V for current peak value n=20 rated value	14.5 kVA 25.2 kVA			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> </ul>				
• up to 230 V for current peak value n=20 rated value	25.2 kVA			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <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>	25.2 kVA 31.6 kVA			
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<ul> <li>up to 230 V for current peak value n=20 rated value</li> <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> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>the 690 V for current peak value n=30 rated value</li> <li>a AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> </ul>	25.2 kVA 31.6 kVA 28.6 kVA 9.6 kVA 16.8 kVA 21 kVA 28.6 kVA 843 A; Use minimum cross-section acc. to AC-1 rated value 596 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 200 1/h			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <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> <li>up to 690 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at AC</li> <li>operating frequency</li> <li>at AC</li></ul>	25.2 kVA 31.6 kVA 28.6 kVA 9.6 kVA 16.8 kVA 21 kVA 28.6 kVA 843 A; Use minimum cross-section acc. to AC-1 rated value 596 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 200 1/h			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <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> <li>up to 690 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>limited to 1 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>at AC-1 maximum</li> <li>at AC-3 maximum</li> <li< td=""><td>25.2 kVA 31.6 kVA 28.6 kVA 9.6 kVA 16.8 kVA 21 kVA 28.6 kVA 843 A; Use minimum cross-section acc. to AC-1 rated value 596 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 200 1/h 1 000 1/h 1 000 1/h</td></li<></ul>	25.2 kVA 31.6 kVA 28.6 kVA 9.6 kVA 16.8 kVA 21 kVA 28.6 kVA 843 A; Use minimum cross-section acc. to AC-1 rated value 596 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 200 1/h 1 000 1/h 1 000 1/h			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <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> <li>up to 690 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at AC</li> <li>operating frequency</li> <li>at AC</li></ul>	25.2 kVA 31.6 kVA 28.6 kVA 9.6 kVA 16.8 kVA 21 kVA 28.6 kVA 28.6 kVA 843 A; Use minimum cross-section acc. to AC-1 rated value 596 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 100 1/h			

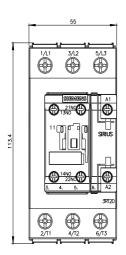
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	200 V
• at 60 Hz rated value	200 220 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	212 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power	
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
— at 60 Hz	17.2 VA
<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
— at 60 Hz	17.2 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	18.5 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.39
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	Standard A1 - A2
	Standard A1 - A2 1
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous	
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	1
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	1
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15	1 1 10 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value	1 1 10 A 10 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 690 V rated value	1 1 10 A 10 A 3 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value	1 1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 1 10 A 10 A 3 A 2 A 1 A 10 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value	1 1 10 A 10 A 2 A 1 A 10 A 6 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 48 V rated value         • at 40 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 48 V rated value</li> <li>at 410 V rated value</li> </ul>	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 400 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 V rated value         • at 220 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 500 V rated value         • at 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 24 V rated value         • at 20 V rated value         • at 20 V rated value         • at 20 V rated value         • at 210 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 60 V rated value         • at 24 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 A
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 24 V rated value</li> </ul>	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 48 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 125 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 48 V rated value         • at 220 V rated value         • at 600 V rated value         • at 48 V rated value         • at 60 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 60 V rated value         • at 60 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value         • at 48 V rated value         • at 48 V rated value         • at 48 V rated value         • at 400 V rated value         • at 400 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 60 V rated value         • at 24 V rated value         • at 60 V rated value         • at 10 V rated value         • at 220 V rated value         • at 24 V rated value         • at 60 V rated value         • at 60 V rated value         • at 10 V rated value         • at 220 V rated value         • at 240 V rated value         • at 220 V rated value         • at 240 V rated value         • at 240 V rated value         • at 600 V rated value         • at 600 V rated value         • at 240 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 690 V rated value         • at 60 V rated value         • at 24 V rated value         • at 10 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 220 V rated value         • at 24 V rated value         • at 48 V rated value         • at 10 V rated value	1         1         10 A         10 A         3 A         2 A         1 A         10 A         6 A         6 A         3 A         2 A         10 A         6 A         6 A         0 A         2 A         1 A         0 15 A         10 A         2 A         1 A         0.15 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 600 V rated value         • at 24 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 600 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 600 V rated value         • at 48 V rated value         • at 24 V rated value         • at 48 V rated value         • at 24 V rated value         • at 48 V rated value         • at 48 V rated value         • at 48 V rated value         • at 60 V rated value	1         1         10 A         3A         2A         1A         10 A         6A         6A         3A         2A         1A         10 A         6A         6A         6A         1A         0.15 A         10 A         2A         1A         0.9 A         0.3 A         0.1 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 40 V rated value         • at 60 V rated value         • at 21 V rated value         • at 220 V rated value         • at 24 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 48 V rated value         • at 600 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value <td>1         1         10 A         10 A         3 A         2 A         1 A         10 A         6 A         6 A         3 A         2 A         10 A         6 A         6 A         0 A         2 A         1 A         0 0 A         2 A         1 0 A         2 A         1 A         0.15 A</td>	1         1         10 A         10 A         3 A         2 A         1 A         10 A         6 A         6 A         3 A         2 A         10 A         6 A         6 A         0 A         2 A         1 A         0 0 A         2 A         1 0 A         2 A         1 A         0.15 A
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact         number of NO contacts for auxiliary contacts instantaneous contact         operational current at AC-12 maximum         operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 600 V rated value         • at 24 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 600 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 600 V rated value         • at 48 V rated value         • at 24 V rated value         • at 48 V rated value         • at 24 V rated value         • at 48 V rated value         • at 48 V rated value         • at 48 V rated value         • at 60 V rated value	1         1         10 A         3A         2A         1A         10 A         6A         6A         3A         2A         1A         10 A         6A         6A         6A         1A         0.15 A         10 A         2A         1A         0.9 A         0.3 A         0.1 A

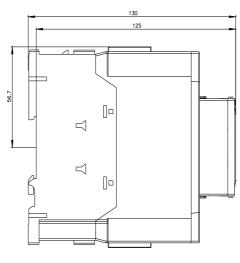
	10.1			
at 480 V rated value	40 A			
at 600 V rated value	41 A			
yielded mechanical performance [hp]				
<ul> <li>for single-phase AC motor</li> <li>— at 110/120 V rated value</li> </ul>	2 hz			
	3 hp			
— at 230 V rated value	7.5 hp			
• for 3-phase AC motor				
— at 200/208 V rated value	10 hp			
— at 220/230 V rated value	15 hp			
— at 460/480 V rated value	30 hp			
— at 575/600 V rated value	40 hp			
contact rating of auxiliary contacts according to UL	A600 / P600			
Short-circuit protection				
design of the fuse link				
for short-circuit protection of the main circuit				
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)			
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (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 and backward by +/- $22.5^{\circ}$ on vertical mounting surface			
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
<ul> <li>side-by-side mounting</li> </ul>	Yes			
height	114 mm			
width	55 mm			
depth	130 mm			
required spacing				
<ul> <li>with side-by-side mounting</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
<ul> <li>for grounded parts</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— at the side	6 mm			
— downwards	10 mm			
<ul> <li>for live parts</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	6 mm			
Connections/ Terminals				
type of electrical connection				
for main current circuit	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 or stranded	2x (1 35 mm²), 1x (1 50 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)			
connectable conductor cross-section for main contacts				
<ul> <li>finely stranded with core end processing</li> </ul>	1 35 mm²			
connectable conductor cross-section for auxiliary contacts				
solid or stranded	0.5 2.5 mm²			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²			
type of connectable conductor cross-sections				
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts         solid or stranded         finely stranded with core end processing     type of connectable conductor cross-sections         for auxiliary contacts         — solid or stranded	0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			

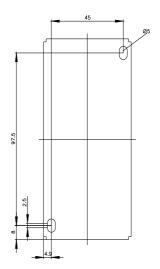
AWG number as code	• for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross		2x (20 16), 2x (18 14)			
section						
• for main contacts		18 1				
	for auxiliary contacts		20 14			
Safety related data				_	_	
product function						
	cording to IEC 60947-4-1	00047 5 4	Yes			
<ul> <li>positively driven suitability for use safety</li> </ul>	operation according to IEC	5 60947-5-1	No			
, ,	mand rate according to SN	121020	Yes 1 000 000			
proportion of danger		131920	1 000 000			
	I rate according to SN 319	20	40 %			
	d rate according to SN 319		73 %			
	w demand rate according		100 FIT			
	nterval or service life acco		20 a			
	the front according to l	EC 60529	IP20			
	he front according to IEC		finger-safe, for vertical contact	t from the front		
Certificates/ approvals						
General Product App	roval					
		<u>Confirmatio</u>		KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of		Test Certificates		
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	
Marine / Shipping						
ABS	B U R E A U VERITAS		Lloyd's Register urs	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good	Environment	
RMRS RMRS	<u>Confirmation</u>	<u>Confirmatio</u>	n <u>Vibration and Shock</u>	Transport Information	<u>Environmental Con-</u> <u>firmations</u>	
Further information						

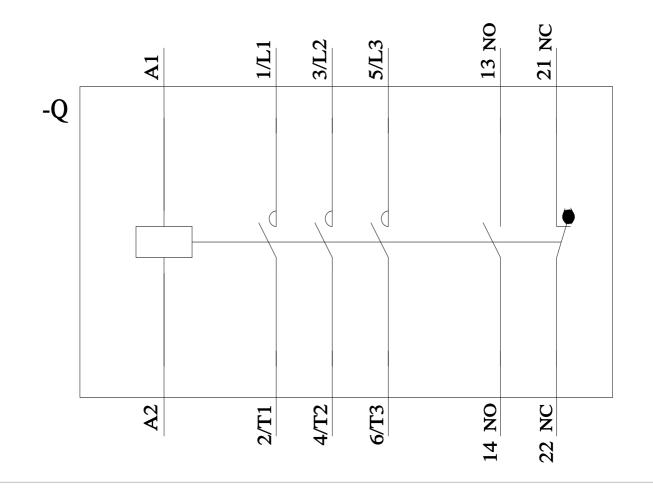
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification 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=3RT2035-1AN60 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-1AN60

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