## SIEMENS

## Data sheet

## 3RT2016-1BA41



power contactor, AC-3e/AC-3, 9 A, 4 kW / 400 V, 3-pole, 12 V DC, auxiliary contacts: 1 NO, screw terminal, size: S00

product brand name         SIRUS           product brand data         Power contactor           size of contactor         S00           product stension         S00           • function module for communication         No           • auxiliary switch         Yes           power loss (M) for rated value of the current         0.9 W           • at AC in hot operating state         0.9 W           • at AC in hot operating state per pole         0.3 W           • without load current share typical         4 W           insultation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit rated value         680 V           • of auxiliary circuit rated value         6 kV           • of contactor with sine pulse         6.7g / 5 ms. 6.8g / 10 ms           • at DC         6.7g / 5 ms. 6.8g / 10 ms           mechanical service life (operating cycles)         5 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical <th></th> <th></th>		
product type designation         3RT2           General technical data         S00           size of contactor         S00           product extension         No           • dancting switch         Yes           power loss [W] for rated value of the current         0.9 W           • at AC in hot operating state         0.9 W           • at AC in hot operating state per pole         0.3 W           • without load current share typical         4 W           insultation voltage         660 V           • of main circuit with degree of pollution 3 rated value         690 V           • of auxiliary circuit value         690 V           • of auxiliary circuit rated value         61 kV           • of auxiliary switch         92 kO           stack contacts according to EN 00947.1         400 V           • at DC         6.7g / 5 ms, 6.8g / 10 ms           • at DC         10.5g / 5 ms, 6.8g / 10 ms           • of contactor typical         30 000 000           • of contactor with added euctionically optimized auxi	product brand name	SIRIUS
General technical data     S00       size of contactor     S00       product extension     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     0.9 W       • at AC in hot operating state     0.9 W       • at AC in hot operating state     0.9 W       • of main circuit with degree of pollution 3 rated value     680 V       • of main circuit with degree of pollution 3 rated value     690 V       • of auxiliary circuit with degree of pollution 3 rated value     64V       • of main circuit rated value     64V       • of auxiliary circuit with degree of pollution 3 rated value     64V       • of auxiliary circuit rated value     61V       • of auxiliary circuit rated value     61V       • of contactor typical     30 00 V       • at DC     6.7g / 5 ms, 4.2g / 10 ms       mechanical service life (operating cycles)     30 000 000       • of the contactor with added acternnically optimized     30 000 000       • of the contactor with added acternnically optimized     10 000 000       • of the contactor with added acternnically optimized     10 000 000       • of the contactor with added acternnically optimized <td< th=""><th>product designation</th><th>Power contactor</th></td<>	product designation	Power contactor
size of contactor     \$00       product extension     • function module for communication     No       • auxilary switch     Yes       power loss [W] for rated value of the current     0.9 W       • at AC in hot operating state per pole     0.3 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 main circuit with degree of pollution 3 rated value     690 V       • of main circuit rated value     64 kV       • of main go to bit 69047-1     400 V       shock resistance at rectangular impulse     610,5 / 5 ms, 6,6g / 10 ms       • at DC     10,5g / 5 ms, 6,6g / 10 ms       metchanical service life (operating cycles)     5000 000       • of the contactor with added electronically optimized     30 000 000       • of the contactor with added electronically optimized     1000/102009       Ambient conditions     1000/102009       Ambient conditions     25 +60 °C <th>product type designation</th> <th>3RT2</th>	product type designation	3RT2
product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     0.9 W       • at AC in hot operating state     0.9 W       • at AC in hot operating state per pole     0.3 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 analizing vicruit with degree of pollution 3 rated value     690 V       • of analizing vicruit with degree of pollution 3 rated value     690 V       • of analizing vicruit rated value     6 kV       • of main circuit rated value     6 kV       • of main circuit rated value     6 kV       • of analizing vicruit rated value     6 kV       • of analizing vicruit rated value     6 kV       • of analizing vicruit rated value     6 kV       • at DC     10.5g / 5 ms, 4.2g / 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     30 000 000       awiliary switch block typical     10 00 000       reference code according to ELC 81346-2     Q       Q     0       Substance Prohibitance (Date)     100/0209	General technical data	
• function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     0.9 W       • at AC in hot operating state     0.9 W       • at AC in hot operating state per pole     0.3 W       • without load current share typical     4 W       insultation 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 rated value     6 kV       • of main circuit rated value     6 kV       • of auxiliary circuit rated value     6 kV       • at DC     6.7g / 5 ms, 4.2g / 10 ms       shock resistance with sine pulse     9 00 000       • at DC     10.5g / 5 ms, 6.6g / 10 ms       mechanical service life (operating cycles)     30 000 000       • of the contactor which added auxiliary switch block typical     10 000 000       reference code according to IEC 8	size of contactor	S00
• auxiliary switch         Yes           power loss [W] for rated value of the current         0.9 W           • at AC in hot operating state         0.9 W           • at AC in hot operating state per pole         0.3 W           • without load current share typical         4 W           insuliary circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         690 V           • of main circuit rated value         690 V           • of main circuit rated value         64V           • of auxiliary oricuit with degree of pollution 3 rated value         64V           • of auxiliary drout rated value         6 kV           • of auxiliary circuit with degree of polletive separation between coli and main contacts according to EN 60947-1         400 V           shock resistance at rectangular impulse         6 kV           • at DC         6.7g / 5 ms, 6.8g / 10 ms           mechanical service life (operating cycles)         5000 000           • of contactor typical         30 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor	product extension	
power loss [W] for rated value of the current     0.9 W       • at AC in hot operating state     0.9 W       • at AC in hot operating state per pole     0.3 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 auxiliary circuit rated value     64 V       • of main circuit rated value     64 V       • of auxiliary circuit rated value     64 V       • al DC     6.7g / 5 ms, 4.2g / 10 ms       shock resistance with sine pulse     6.7g / 5 ms, 6.6g / 10 ms       • al 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 00	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state prole       0.9 W         • at AC in hot operating state prole       0.3 W         • without load current share typical       4 W         insultation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit rated value       6 kV         • at DC       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         • of the contactor with added electronically optimized       30 000 000         • of the contactor with added electronically optimized       10 000 000         • of the conta	auxiliary switch	Yes
• at AC in hot operating state per pole       0.3 W         • without load current share typical       4 W         insulation voltage       6 M         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit rated value       690 V         • of auxiliary circuit rated value       6 kV         • 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 typical       30 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according	power loss [W] for rated value of the current	
• without load current share typical     4 W       insulation voltage     600 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     690 V       • of main circuit rated value     6 kV       • of 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       • 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     10 001/2009       Ambient conditions     2 000 m       installation altitude at height above sea level maximum     2 000 m       • during storage     -55 +60 °C       • during storage     -55 +60 °C       • during storage     -55 +60 °C       •	<ul> <li>at AC in hot operating state</li> </ul>	0.9 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       690 V         • of main circuit rated value       6 kV         • of 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 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 8136-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient temperature       0 00 m         • during storage       -25 +60 °C         • during storage       -25 +60 °C         • during storage       -25 +60 °C	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.3 W
• of main circuit with degree of pollution 3 rated value     690 V       • of auxiliary circuit with degree of pollution 3 rated value     690 V       surge voltage resistance     68 V       • of main circuit rated value     6 kV       maximum permissible voltage for protective separation between coil and main contacts according to EN 60847-1     400 V       shock resistance at rectangular impulse     6,7 / 5 ms, 4,2g / 10 ms       • at DC     6,7 / 5 ms, 4,2g / 10 ms       shock resistance with sine pulse     6,000 000       • 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       reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     -25 +60 °C       • during operation     -25 +60 °C       • during storage     -55 +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         maximum permissible voltage for protective separation between       400 V         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         mechanical service life (operating cycles)       000000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during storage       -55 +60 °C         • during storage       -55 +60 °C <t< th=""><th>insulation voltage</th><th></th></t<>	insulation voltage	
surge voltage resistance       6         • 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         mechanical service life (operating cycles)       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       30 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/12009         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 %         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         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         • at DC       6,7g / 5 ms, 6,6g / 10 ms         shock resistance with sine pulse       6,000 000         • at DC       10,5g / 5 ms, 6,6g / 10 ms         mechanical service life (operating cycles)       30 000 000         • of the contactor 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minum       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 coil 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 typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Amblent 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 %         95 %       95 %	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 DC</li> <li>6,7g / 5 ms, 4,2g / 10 ms</li> </ul> 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> </ul> mechanical service life (operating cycles) <ul> <li>of contactor typical</li> <li>30 000 000</li> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>10 000 000</li> </ul> efference 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         shock resistance at rectangular impulse         • 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)       30 000 000         • of contactor 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         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during 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	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• 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)       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       5 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       4000000000000000000000000000000000000		400 V
shock resistance with sine pulse       10.5g / 5 ms, 6.6g / 10 ms         e 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         • 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 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 typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at 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 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       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 °Crelative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	● at DC	10,5g / 5 ms, 6,6g / 10 ms
<ul> <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>10 000 000</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> <li>ambient temperature         <ul> <li>during operation</li> <li>-25 +60 °C</li> <li>-55 +80 °C</li> </ul> </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> </ul>	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       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       400 m	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	
<ul> <li>during operation</li> <li>-25 +60 °C</li> <li>during storage</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 g5 %</li> <li>Main circuit</li> </ul>	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       95 %         Main circuit       95 %	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       95 %         Main circuit       95 %	during storage	-55 +80 °C
maximum Main circuit	relative humidity minimum	10 %
		95 %
number of poles for main current circuit 3	Main circuit	
	number of poles for main current circuit	3

number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	
● at AC-3	
— at 400 V rated value	9 A
— at 500 V rated value	7.7 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	9 A
— at 500 V rated value	7.7 A
— at 690 V rated value	6.7 A
at AC-4 at 400 V rated value	8.5 A
at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	7.4 A
• at AC-6a	5.2.4
— up to 230 V for current peak value n=20 rated value	5.3 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>	5.3 A 5.3 A
— up to 500 V for current peak value n=20 rated value	5.5 A
• at AC-6a	54
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	3.5 A
— up to 200 V for current peak value n=30 rated value	3.5 A
— up to 500 V for current peak value n=30 rated value	3.6 A
— up to 690 V for current peak value n=30 rated value	3.3 A
minimum cross-section in main circuit at maximum AC-1 rated	4 mm <sup>2</sup>
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— at 24 V rated value	20 A			
— at 60 V rated value	0.5 A			
— at 110 V rated value	0.15 A			
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	20 A			
— at 60 V rated value	5 A			
— at 110 V rated value	0.35 A			
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	20 A			
— at 60 V rated value	20 A			
— at 110 V rated value	20 A			
— at 220 V rated value	1.5 A			
— at 440 V rated value	0.2 A			
— at 600 V rated value	0.2 A			
operating power				
at AC-2 at 400 V rated value	4 kW			
• at AC-3				
— at 230 V rated value	2.2 kW			
— at 400 V rated value	4 kW			
— at 500 V rated value	4 kW			
— at 690 V rated value	5.5 kW			
• at AC-3e				
- at 230 V rated value	2.2 kW			
— at 200 V rated value	4 kW			
— at 500 V rated value	4 kW			
— at 690 V rated value	5.5 kW			
operating power for approx. 200000 operating cycles at AC-	0.0 KW			
4				
• at 400 V rated value	2 kW			
• at 690 V rated value	2.5 kW			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=20 rated value	2 kVA			
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	3.6 kVA			
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	4.6 kVA			
• up to 690 V for current peak value n=20 rated value	5.9 kVA			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=30 rated value	1.3 kVA			
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	2.4 kVA			
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	3.1 kVA			
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	4 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>	155 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	111 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	66 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	55 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	12 V			
operating range factor control supply voltage rated value of				
magnet coil at DC				

closing power of magnet coll at DC     4 W       hobiting power of magnet coll at DC     4 W       • it DC     50-100 ms       • end CC     7-13 ms       • at DC     10       • at DC     10       • at DC     7				
Indicing power of magnet coil at DC         4 W           closing datay         an 100 ms           • e ILDC         30 100 ms           • e ILDC         7 13 ms           • a IDC         7 13 ms           arcing time         10 15 ms           control version of the switch operating mechanism         Standard A1 - A2           Anxitizey clocut         10 15 ms           control version of the switch operating mechanism         11           operational current at AC-12 msmum         10 A           operational current at AC-13         11           • at 200 V rated value         2 A           • at 200 V rated value         10 A           • at 204 Value value         10 A           • at 200 Vated value         <	• full-scale value	1.1		
closing delay     30 100 ms       opening delay     1015 ms       exiting time     1015 ms       control version of the switch operating mechanism     Skundard A1 - A2       Auxiliary circuit     1       number of NO contacts for auxiliary contacts instantaneous     1       operational current at AC-12 maximum     10 A       operational current at AC-12 maximum     10 A       operational current at AC-12 maximum     10 A       operational current at AC-12     4       • 41600 V inted value     3.A       • 41600 V inted value     3.A       • 4160 V inted value     3.A <td></td> <td colspan="3">4 W</td>		4 W		
• et DC         30100 ms           oppling dely         -           • et DC         713 ms           • et DC         713 ms           • et DC         713 ms           • et DC         9100 ms           • et dDC         9100 ms           • et dDC         1015 ms           • et dDC         10		4 W		
opening delay         713 ms           • et DC         713 ms           control variation of the switch operating mechanism         Standard A1 - A2           Availancy closed         1           control of NO controls for availary contracts instantaneous         1           operational current at AC-12 maximum         10 A           • at 800 V rated value         6 A           • at 800 V rated value         0 A	closing delay			
• ± DC.     7 13 ms       acting time     10 15 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     10.A       operational current at AC-12 maximum     10.A       operational current at AC-15     10.A       • at 300 V rated value     3.A       • at 600 V rated value     3.A       • at 600 V rated value     10.A       • at 600 V rated value     3.A       • at 600 V rated value     0.A       • at 60 V rated value     0.A       • at 60 V rated value     0.15 A       • operational current at DC-13     •       • at 80 V rated value     0.16 A       • at 80 V rated value     0.3 A       • at 80 V rated value     0.3 A       • at 80 V rated value     0.1 A       • at 800 V rated value     0.1 A       • at 800 V rated value     0.3 A       • at 800 V rated value     0.3 A       • at 800 V rated value     0.1 A       • at 800 V rated value     0.3 A       • at 800 V rated value     0.3 A	• at DC	30 100 ms		
arcting time         10 _ 15 ms           control variation of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         10           united of NC contacts of auxiliary contacts instantaneous         10           operational current at AC-12 maximum         10 A           extra 230 V rated value         3A           extra 430 V rated value         3A           extra 430 V rated value         3A           extra 40 V rated value         6A           extra 40 V rated value         7A           extra 40 V rated value         <	opening delay			
control of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         United of NC contects for auxiliary contacts instantaneous contact         Image of NC contects for auxiliary contacts instantaneous contact           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         10 A           et al 30 V rated value         3.A           et al 30 V rated value         3.A           et al 40 V rated value         3.A           et al 40 V rated value         6.A           et al 40 V rated value         6.A           et al 40 V rated value         6.A           et al 40 V rated value         7.A           et al 40 V rated value         7.A           et al 50 V rated value         7.A	• at DC	7 13 ms		
Auxiliary circuit         1           number of NO contacts for auxiliary contacts instantaneous         1           operational current at AC-12 maximum         10 A           operational current at AC-12 maximum         10 A           • at 300 Vitated value         10 A           • at 300 Vitated value         2A           • at 680 Vitated value         1A           • at 680 Vitated value         6A           • at 60 Vitated value         6A           • at 60 Vitated value         6A           • at 60 Vitated value         6A           • at 20 Vitated value         1A           • at 20 Vitated value         1A           • at 60 Vitated value         1A           • at 80 Vitated value         1A <t< td=""><td>arcing time</td><td>10 15 ms</td></t<>	arcing time	10 15 ms		
number of ND contacts for auxiliary contacts instantaneous         1           contact         10 A           operational current at AC-15         10 A           • at 20 V rated value         3 A           • at 30 V rated value         1 A           operational current at DC-12         10 A           • at 30 V rated value         6 A           • at 30 V rated value         6 A           • at 30 V rated value         6 A           • at 20 V rated value         6 A           • at 20 V rated value         1 A           • at 20 V rated value         1 A           • at 20 V rated value         1 A           • at 20 V rated value         0 A           • at 80 V	control version of the switch operating mechanism	Standard A1 - A2		
contact         10 A           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 230 Yrated value         3 A           • at 300 Yrated value         3 A           • at 500 Yrated value         1 A           operational current at DC-12         1 A           • at 24 Vrated value         6 A           • at 40 Vrated value         6 A           • at 40 Vrated value         6 A           • at 40 Vrated value         6 A           • at 20 Vrated value         7 A	Auxiliary circuit			
operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 30 V rated value         3 A           • at 30 V rated value         3 A           • at 30 V rated value         3 A           • at 50 V rated value         1 A           operational current at DC-12         • 10 A           • at 45 V rated value         6 A           • at 46 V rated value         6 A           • at 10 V rated value         6 A           • at 20 V rated value         1 A           operational current at DC-12         • 1 A           • at 80 V rated value         6 A           • at 20 V rated value         1 A           • at 80 V rated value         0.1 A           • at 80 V rated value         0.1 A           • at 80 V rated value         0.2 A           • at 800 V rated value         0.3 A           • at 800 V rated value         9 A           • at 800 V rated value         9 A           • at 800 V rated value         9 A <t< td=""><td></td><td>1</td></t<>		1		
operate 230 V rated value         10 A           • at 230 V rated value         10 A           • at 400 V rated value         3 A           • at 500 V rated value         2 A           • at 800 V rated value         1 A           operational current at DC-12         0 A           • at 800 V rated value         6 A           • at 80 V rated value         7 A           • at 80 V rated value         7 A           • at 80 V rated value         7 A           • at 80 V rated value         0.15 A           operational current at DC-13         • at 80 V rated value           • at 80 V rated value         2 A           • at 80 V rated value         0.3 A           • at 80 V rated value         0.3 A           • at 80 V rated value         0.3 A           • at 800 V rated value         7 8 A           • at 800 V rated value         9 A           • yielded mechanical performance [tp]         • or single-phase AC motor           at 101/120 V rated value <td></td> <td>10.4</td>		10.4		
• at 230 V rated value     3 A       • at 600 V rated value     3 A       • at 600 V rated value     1 A       • oportational current at DC-12     •       • at 80 V rated value     1 A       • at 80 V rated value     0 A       • at 80 V rated value     0.15 A       • oporational current at DC-13     0 A       • at 80 V rated value     0 A       • at 800 V rated value     0 A	•	10 A		
• at 400 V rated value         3 A           • at 500 V rated value         1 A           operational current at DC-12         •           • at 24 V rated value         10 A           • at 24 V rated value         0 A           • at 48 V rated value         0 A           • at 48 V rated value         0 A           • at 10 V rated value         0 A           • at 10 V rated value         0 A           • at 120 V rated value         0 A           • at 20 V rated value         0 A           • at 200 V rated value         0.15 A           • at 200 V rated value         0.15 A           • at 60 V rated value         0.15 A           • at 60 V rated value         0.2 A           • at 60 V rated value         0.2 A           • at 60 V rated value         0.3 A           • at 120 V rated value         0.3 A           • at 200 V rated value         0.3 A           • at 80 V rated value         0.3 A           • at 80 V rated value         0.3 A           • at 80 V rated value         0.3 hp           • at 80 V rated value         0.3 hp           • at 80 V rated value         0.3 hp           • at 800 V rated value         9 A           Vie	-	10.4		
• at 500 V rated value       1A         • at 500 V rated value       1A         • at 24 V rated value       10 A         • at 48 V rated value       6 A         • at 40 V rated value       6 A         • at 100 V rated value       6 A         • at 22 V rated value       3 A         • at 22 V rated value       3 A         • at 220 V rated value       2 A         • at 200 V rated value       0 A         • at 300 V rated value       0 A         • at 300 V rated value       0.3 A         • at 300 V rated value       0.1 A         • at 300 V rated value       7.6 A         • at 300 V rated value       7.6 A         • at 300 V rated value       9 A         vjeided mechanical performance [hg]       • for single-phase AC motor         • at 300 V rated value       7.6 A         • at 300 V rated value       7.6 A         • at 300 V rated value       7.6 A				
• at 880 V rated value     1 A       operational current at DC-12     0.A       • at 48 V rated value     0.A       • at 60 V rated value     6 A       • at 60 V rated value     3 A       • at 125 V rated value     2 A       • at 800 V rated value     0.15 A       operational current at DC-13     0.15 A       • at 800 V rated value     0.15 A       operational current at DC-13     0.15 A       • at 800 V rated value     0.A       • at 80 V rated value     0.A       • at 800 V rated value     0.				
operational current at DC-12       10 A         • at 24 V rated value       10 A         • at 40 V rated value       6 A         • at 60 V rated value       6 A         • at 10 V rated value       2 A         • at 220 V rated value       1 A         • at 200 V rated value       1 A         • at 200 V rated value       0.15 A         operational current at DC-13       10 A         • at 40 V rated value       2 A         • at 40 V rated value       0.9 A         • at 200 V rated value       0.9 A         • at 200 V rated value       0.9 A         • at 200 V rated value       0.1 A         • at 600 V rated value       9 A         yleide mechanical performance (hp)       • for single-phase AC motor         • at 600 V rated value       9 A         yleide mechanical performance (hp)       • for 3-phase AC motor         • at 600 V rated value<				
• at 24 V rated value     10 A       • at 48 V rated value     6 A       • at 60 V rated value     3 A       • at 125 V rated value     2 A       • at 220 V rated value     0.15 A       operational current at DC-13     0 A       • at 420 V rated value     0.15 A       operational current at DC-13     0 A       • at 42 V rated value     0.15 A       operational current at DC-13     0 A       • at 60 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     0.3 A       • at 125 V rated value     0.3 A       • at 220 V rated value     0.1 A       • at 400 V rated value     0.1 A       • ot 600 V rated value     7.6 A       • ot 600 V rated value     7.6 A       • ot 600 V rated value     7.6 A       • ot 600 V rated value     9 A       vilided mechanical performance [tp]     • for single-phase AC motor       • at 400 V rated value     1 hp       • of or single-phase AC motor     - at 220/200 V rated value       • at 200 V rated value     2 hp       • at 200/200 V rated value     2 hp       • at 400/4		IA		
• at 48 V rated value     6 A       • at 60 V rated value     6 A       • at 120 V rated value     3 A       • at 220 V rated value     1 A       • at 220 V rated value     0.15 A       opportional current at DC-13     •       • at 24 V rated value     0.15 A       opportional current at DC-13     •       • at 80 V rated value     2 A       • at 80 V rated value     0.3 A       • at 220 V rated value     0.3 A       • at 200 V rated value     0.3 A       • at 800 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     7.6 A       • at 600 V rated value     9 A       • yielded mechanical performance [tp]     • for single-phase AC motor       • at 800 V rated value     1 hp       • for 3 spiase AC motor     -       • at 200 V rated value     1 hp       • for 3 phase AC motor     -       • at 200/230 V rated value     3 hp       • at 200/230 V rated value     5 hp       • at 200/230 V rated value     5 hp       • at 200/230 V rated value     5 hp	•	10.0		
• 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         0.15 A           opperational current at DC-13         •           • at 42 V rated value         10 A           • at 42 V rated value         10 A           • at 42 V rated value         2 A           • at 43 V rated value         2 A           • at 105 V rated value         0.3 A           • at 25 V rated value         0.3 A           • at 200 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           U/uCSA ratings         7.6 A           • at 400 V rated value         0.33 hp           • at 400 V rated value         0.33 hp           • at 400 V rated value         0.33 hp           • at 300 V rated value         9 A           • at 230 V rated value         9 A           • at 230 V rated value         9 A           • at 200 V rated value         0.33 hp           • at 200 V rated value         0.33 hp           • at 200 V rated value         3 hp           • at 200 V rated value         3 hp           • at 200 V rate				
• at 110 V rated value         3 A           • at 125 V rated value         2 A           • at 200 V rated value         0.15 A           opportional current at DC-13         0.15 A           • at 24 V rated value         0 A           • at 24 V rated value         2 A           • at 60 V rated value         2 A           • at 60 V rated value         2 A           • at 60 V rated value         0.9 A           • at 125 V rated value         0.3 A           • at 220 V rated value         0.3 A           • at 200 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         T           full-da current (FLA) for 3-phase AC motor         •           • at 600 V rated value         7.6 A           • at 600 V rated value         7.6 A           • at 600 V rated value         7.6 A           • at 600 V rated value         9 A           vielded mechanical performance [hp]         •           • for 3-phase AC motor         -           - at 200 V rated value         1 hp           • at 600 V rated value         3 hp           - at 200/208 V rated value         3 hp				
• 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       10 A         • at 44 V rated value       10 A         • at 40 V rated value       2 A         • at 60 V rated value       2 A         • at 10 V rated value       2 A         • at 10 V rated value       0.3 A         • at 220 V rated value       0.3 A         • at 60 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings       Total V rated value         full-dad current (FLA) for 3-phase AC motor       -         • at 800 V rated value       9 A         visided mechanical performance (hp)       •         • for single-phase AC motor       -         - at 200/208 V rated value       0.33 hp         - at 200/208 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       7.5 hp         contact reling of auxiliary contacts according to UL       A600 / G600         Short-circ				
• at 220 V rated value       1 A         • at 600 V rated value       0.15 A         operational current at DC-13				
• at 600 V rated value     0.15 Å       operational current at DC-13     10 Å       • at 24 V rated value     10 Å       • at 48 V rated value     2 Å       • at 60 V rated value     2 Å       • at 10 V rated value     0.9 Å       • at 25 V rated value     0.3 Å       • at 60 V rated value     0.1 Å       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mÅ)       UL/CSA ratings     1       full-load current (FLA) for 3-phase AC motor     -       • at 800 V rated value     9 Å       vijelded mechanical performance [hp]     -       • for single-phase AC motor     -       - at 200/208 V rated value     0.33 hp       - at 200/208 V rated value     0 Å       - at 200/208 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 450/400 V rated value     3 hp       - at 200/208 V rated value     3 hp       - at 450/400 V rated value     5 hp       - at 55/500 V rated value     7.5 hp       contact rating of auxiliary contacts according to UL     A600 / G600       Short-circuit protection of the main circuit     -       - at 457/500 V rated value     7.5 hp       - at 55/500 V rated value     7.6 hp       - or short-circuit protection of the main circui				
operational current at DC-13       10 A         • 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 220 V rated value       0.9 A         • at 200 V rated value       0.1 A         Contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         U/CSA ratings       1         full-load current (FLA) for 3-phase AC motor       •         • at 800 V rated value       7.6 A         • at 800 V rated value       9 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 200 V rated value       1 hp         • for 3-phase AC motor       -         - at 2002 V rated value       1 hp         • for 3-phase AC motor       -         - at 2002 V vrated value       3 hp         - at 2002 V vrated value       3 hp         - at 2002 V rated value       5 hp         - at 575/60 V vrated value       7.5 hp         Contact rating of auxiliary contacts according to UL       A600 / 0600         Short-circuit protection       g6: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) <td></td> <td></td>				
• at 24 V rated value       10 A         • at 48 V rated value       2 A         • at 60 V rated value       2 A         • at 10 V rated value       1 A         • at 125 V rated value       0.9 A         • at 220 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings		0.15 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)         ULCSA ratings	-			
• 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				
ext 110 V rated value       1 A         ext 125 V rated value       0.9 A         ext 220 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         1L/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 460 V rated value       9 A         yielded mechanical performance [hp]         • for single-phase AC motor         - at 110/120 V rated value       9 A         yielded mechanical performance [hp]         • for single-phase AC motor         - at 120/208 V rated value       1 hp         • for 3-phase AC motor         - at 220/208 V rated value       2 hp         - at 220/208 V rated value       3 hp         - at 220/208 V rated value       5 hp         - at 450/480 V rated value       5 hp         - at 576/600 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       feesing of the fuse link         • for short-circuit protection of the main circuit       - with type of coordination 1 required         - with type of coordination 1 required       gG: 35A (690V,100kA), at: 20A (690V,100kA), BS88: 35A (415V,80kA)         gc: 20A (690V,100kA), at: 16A (690V, 100kA), BS8				
• at 125 V rated value       0.9 Å         • at 220 V rated value       0.3 Å         • at 600 V rated value       0.1 Å         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mÅ)         ULCSA ratings       1         full-load current (FLA) for 3-phase AC motor       -         • at 480 V rated value       9 Å         • at 600 V rated value       9 Å         • at 600 V rated value       9 Å         • or single-phase AC motor       -         - at 110/120 V rated value       0.33 hp         - at 200/208 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       5 hp         - at 50/500 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / 0600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 0A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type o				
• 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				
• 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				
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 <ul> <li>at 480 V rated value</li> <li>7.6 A</li> <li>at 600 V rated value</li> <li>9 A</li> </ul> <li>yielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>at 100/120 V rated value</li> <li>0.33 hp</li> <li>at 230 V rated value</li> <li>0.33 hp</li> <li>at 200/208 V rated value</li> <li>1 hp</li> </ul> </li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>2 hp</li> <ul> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 200/208 V rated value</li> <li>5 hp</li> <li>at 4600/480 V rated value</li> <li>6 hp</li> <li>at 4575/600 V rated value</li> <li>7.5 hp</li> </ul> <li>contact rating of auxiliary contacts according to UL</li> <li>A6000 / Q600</li> <li>Short-circuit protection of the main circuit</li> <li>For short-circuit protection of the main circuit</li> <li>For short-circuit protection of the main circuit</li> <li>For short-circuit protection of the auxiliary switch required</li> <li>g6: 35A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 35A (415V, 80kA)</li> <li>g6: 10 A (500 V, 1 1kA)</li> <li>Installation/ mounting dimensions</li> <li>th/-180° rotation possible on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface</li> <li>side-by-side mounting</li> <li>Yees</li>				
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       7.6 A         • at 600 V rated value       9 A         yielded mechanical performance [hp]       • for single-phase AC motor         - at 110/120 V rated value       0.33 hp         - at 230 V rated value       1 hp         • for 3-phase AC motor       - at 200/208 V rated value         - at 220/208 V rated value       3 hp         - at 220/208 V rated value       5 hp         - at 460/480 V rated value       5 hp         - at 575/600 V rated value       7.6 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       460/480 V rated value         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)				
full-load current (FLA) for 3-phase AC motor       7.6 A         • at 480 V rated value       9 A         yielded mechanical performance [hp]       9 A         • for single-phase AC motor       0.33 hp         at 110/120 V rated value       0.33 hp         at 230 V rated value       1 hp         • for 3-phase AC motor       -         at 200/208 V rated value       2 hp         at 200/208 V rated value       3 hp         at 220/230 V rated value       5 hp         at 460/480 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       design of the fuse link         • for short-circuit protection of the main circuit       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         • for short-circuit protection of the main circuit       gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 tkA)         Installation/ mounting / dimensions       +/-180° rotation possible on vertical mounting surface; can be tilted forward an 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 </td <td></td> <td>1 faulty switching per 100 million (17 V, 1 mA)</td>		1 faulty switching per 100 million (17 V, 1 mA)		
• at 480 V rated value       7.6 A         • at 600 V rated value       9 A         yielded mechanical performance [hp]       9 A         • for single-phase AC motor       0.33 hp         - at 110/120 V rated value       0.33 hp         - at 230 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       2 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       5 hp         - at 6575/600 V rated value       5 hp         - at 575/600 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - or short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 tkA)         Installation/ mounting dimensions       +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface;         mounting position       +/-180° rotation possible on vertical				
• at 600 V rated value       9 A         yielded mechanical performance [hp]       .         • for single-phase AC motor				
yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.33 hp</li> <li>at 230 V rated value</li> <li>1 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>2 hp</li> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 460/480 V rated value</li> <li>5 hp</li> <li>at 4575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 10 A (500 V, 1 0kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>Installation/ mounting/ dimensions</li> <li>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>side-by-side mounting</li> <li>Yes</li> </ul>				
• for single-phase AC motor       0.33 hp         - at 110/120 V rated value       0.33 hp         - at 230 V rated value       1 hp         • for 3-phase AC motor       2 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       5 hp         - at 460/480 V rated value       5 hp         - at 575/600 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4600 / Q600         Short-circuit protection of the main circuit       9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       gG: 10A (500 V, 1 kA)         - with type of assignment 2 required       gG: 10A (500 V, 10kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         - for short-circuit protection of the auxiliary switch required       gG: 10A (500 V, 1 kA)         - muthing 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		9 A		
- at 110/120 V rated value       0.33 hp         - at 230 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       2 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       5 hp         - at 460/480 V rated value       5 hp         - at 575/600 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4690 / Q600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       gG: 10 A (500 V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA)         - for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA)         - with type of assignment 2 required       gG: 10 A (500 V, 1 tA)         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         viside-by-side mounting       Yes				
at 230 V rated value       1 hp         • for 3-phase AC motor       -         at 200/208 V rated value       2 hp         at 220/230 V rated value       3 hp         at 460/480 V rated value       5 hp         at 575/600 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       -         design of the fuse link       •         • for short-circuit protection of the main circuit       -         with type of coordination 1 required       gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)         with type of assignment 2 required       gG: 04 (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         with type of assignment 2 required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       +/-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	-			
• for 3-phase AC motor       2 hp         - at 200/208 V rated value       2 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       5 hp         - at 460/480 V rated value       7.5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       460/480 V rated value         design of the fuse link       6 for short-circuit protection of the main circuit         - with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         - with type of assignment 2 required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       +/-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		•		
		1 hp		
		· ·		
		3 hp		
contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       A600 / Q600         design of the fuse link       of r short-circuit protection of the main circuit         — with type of coordination 1 required       gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         — with type of assignment 2 required       gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       +/-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	— at 460/480 V rated value			
Short-circuit protection         design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch required         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         • side-by-side mounting	— at 575/600 V rated value	7.5 hp		
design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> <li>Installation/ mounting/ dimensions         <ul> <li>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</li> <li>side-by-side mounting</li> </ul> </li>	contact rating of auxiliary contacts according to UL	A600 / Q600		
• for short-circuit protection of the main circuit         gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)           - with type of assignment 2 required         gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)           • for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 10kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)           • for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 kA)           Installation/mounting/ dimensions         #/-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	Short-circuit protection			
	design of the fuse link			
	<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
• for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 kA)           Installation/ mounting/ dimensions         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	<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
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         • side-by-side mounting         Yes	<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
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	• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)		
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	Installation/ mounting/ dimensions			
side-by-side mounting     Yes	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 58 mm	height	58 mm		

width	45 mm		
depth	73 mm		
required spacing			
with side-by-side mounting			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— 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	screw-type terminals		
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals		
at contactor for auxiliary contacts	Screw-type terminals		
of magnet coil	Screw-type terminals		
type of connectable conductor cross-sections for main contacts			
• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²		
<ul> <li>solid or stranded</li> </ul>	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
connectable conductor cross-section for main contacts			
• solid	0.5 4 mm²		
<ul> <li>stranded</li> </ul>	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	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		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12		
AWG number as coded connectable conductor cross section			
<ul> <li>for main contacts</li> </ul>	20 12		
<ul> <li>for auxiliary contacts</li> </ul>	20 12		
Safety related data			
product function			
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes		
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			
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %		
<ul> <li>with high demand rate according to SN 31920</li> </ul>	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 IEC 61508	20 a		
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			

	<u>Confirmation</u>		KC	EHC
Functional Safety/Safety of Ma- chinery	Declaration of Conform	nity	Test Certificates	
<u>Type Examination Cer-</u> tificate	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report
BUREAU VERITAS		Lloyd's Register us	PRS	RINA
other		Railway	Dangerous Good	Environment
<u>Confirmation</u>		Vibration and Shock	Transport Information	Environmental Con- firmations
om/global/en/pressrelease n the renewal of the curr ral Siemens office on the s ther than the sanctioned E ckaging siemens.com/cs/ww/en/vie	e/siemens-wind-down-russ rent EAC certificates. tatus of validity of the EAC EAEU member states Russ ew/109813875	certification if you intend	d to import or offer to supp	ly these products to an
	Functional Safety/Safety of Ma- chinery Type Examination Cer- tificate	Functional Safety/Safety of Ma- chinery       Declaration of Conformation Conformation Cer- tificate         Type Examination Cer- tificate       UKS         Vision       Vision         Vision       V	Functional Safety/Safety of Machinery       Declaration of Conformity         Type Examination Certificate       UKA         Type Examination Certificate       UKA         Image: Confirmation Certification       Image: Confirmation Certification for the certificate         Image: Confirmation Certification for the certificate       Image: Confirmation for the certificate         Image: Confirmation Certification for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       Image: Certificate         Image: Confirmation for the certificate       Image: Certification for the certificate         Image: Confirmation for the certificate       I	Yunctional Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Type Examination Cer- tificate       UK       Special Test Certific- ate         Type Examination Cer- tificate       UK       Special Test Certific- ate         Image: Configuration of Conformity       Image: Configuration of Conformity       Special Test Certific- ate         Image: Configuration of Conformity       Image: Configuration of Conformity       Special Test Certific- ate         Image: Configuration of Conformity       Image: Configuration of Conformity       Image: Configuration of Conformity         Image: Configuration of Conformity       Image: Configuration of Conformity       Image: Configuration of Conformity         Image: Configuration of Configuration of Conformity       Image: Configuration of

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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

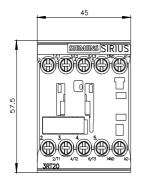
https://support.industry.siemens.com/cs/ww/en/ps/3RT2016-1BA4

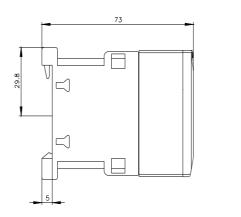
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2016-1BA41&lang=en

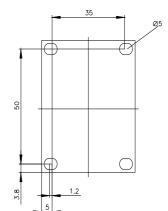
Characteristic: Tripping characteristics, I2t, Let-through current

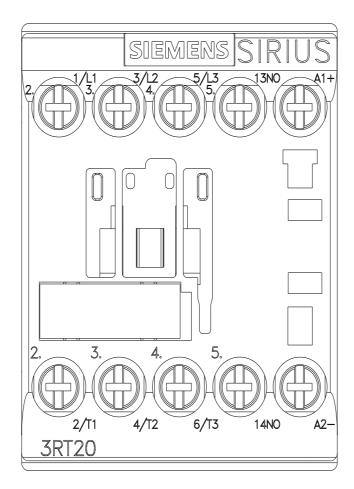
https://support.industry.siemens.com/cs/ww/en/ps/3RT2016-1BA41/char

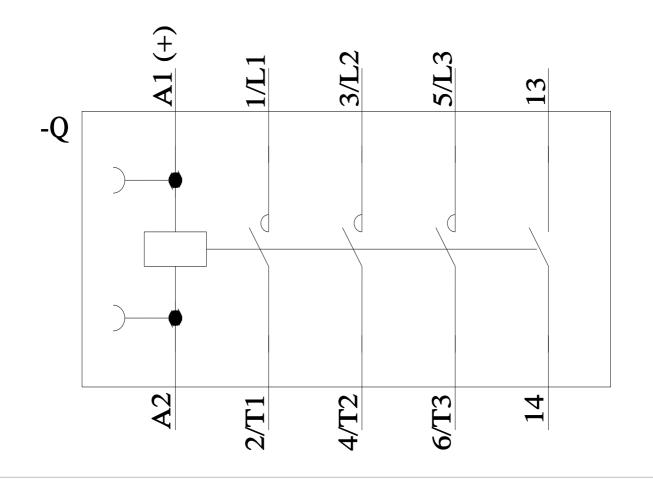
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siem ns.com/bilddb/index.aspx?view= &mlfb 











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