## SIEMENS

## Data sheet

## 3RT2017-1BW42



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 48 V DC, auxiliary contacts: 1 NC, screw terminal, size: S00  $\,$ 

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	1.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W
<ul> <li>without load current share typical</li> </ul>	4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	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	
● at DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
● at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3

number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
● at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	7.2 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	7.2 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	7.2 A
— up to 690 V for current peak value n=20 rated value	6.7 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
• at 1 current path at DC-3 at DC-5	

— at 24 V rated value	20 A				
— at 60 V rated value	0.5 A				
— at 110 V rated value	0.15 A				
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 60 V rated value	5 A				
— at 110 V rated value	0.35 A				
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 60 V rated value	20 A				
— at 110 V rated value	20 A				
— at 220 V rated value	1.5 A				
— at 440 V rated value	0.2 A				
— at 600 V rated value	0.2 A				
operating power					
• at AC-3					
— at 230 V rated value	3 kW				
— at 400 V rated value	5.5 kW				
— at 500 V rated value	5.5 kW				
— at 690 V rated value	5.5 kW				
• at AC-3e					
at AC-Se     — at 230 V rated value	3 kW				
— at 230 V rated value	5.5 kW				
— at 500 V rated value	5.5 kW				
— at 690 V rated value operating power for approx. 200000 operating cycles at AC-	5.5 kW				
4					
<ul> <li>at 400 V rated value</li> </ul>	2 kW				
at 690 V rated value	2.5 kW				
operating apparent power at AC-6a					
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	2.8 kVA				
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	4.9 kVA				
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	6.2 kVA				
• up to 690 V for current peak value n=20 rated value	8 kVA				
operating apparent power at AC-6a					
• up to 230 V for current peak value n=30 rated value	1.9 kVA				
• up to 400 V for current peak value n=30 rated value	3.3 kVA				
• up to 500 V for current peak value n=30 rated value	4.1 kVA				
• up to 690 V for current peak value n=30 rated value	5.7 kVA				
short-time withstand current in cold operating state up to					
40 °C					
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	123 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	74 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	61 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at 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	48 V				
operating range factor control supply voltage rated value of					
magnet coil at DC					
• initial value	0.8				
● full-scale value	1.1				

holding power of mignet coil at DC         4 W           closing delay         -           • at CC         50 100 ms           opening delay         -           • at CC         7 13 ms           arcing time         10 15 ms           control vestion of the switch operating mechanism         Similard A1 - A2           Auxiliary clocali         -           openitorial current at AC-12 maximum         10 A           operational current at AC-15         -           • at 300 Vraied value         3 A           • at 300 Vraied value         1 A           operational current at AC-15         -           • at 300 Vraied value         1 A           operational current at AC-15         -           • at 300 Vraied value         0 A           • a					
closing delay       30 100 ms         • at DC       20 100 ms         • at DC       7 13 ms         • at DC       10 15 ms         • at DC       9 16 ms         control varion of the aviular operating mechanism       Sundard At - A2         Avvillary decord       10         operational current at AC-12       Interview         • at 300 V med value       10         • at 300 V med value       10         • at 300 V med value       6         • at 300 V med value       6         • at 300 V med value       6         • at 300 V med value       10         • at 300 V med value       0.15 A         operational current at DC-13       Int 10         • at 300 V med value       0.3         • at 300 V med value       0.3         • at 300 V med value       0.3.	closing power of magnet coil at DC	4 W			
• at DC     30 – 100 ms       oppning deby	holding power of magnet coil at DC	4 W			
opening delay         713 ms           exiting time         1015 ms           control varision of the switch operating machanism         Standard A1 - A2           Auxiliary decide         1           number of NC contracts for auxiliary contracts instantaneous         1           operational current at AC-12 maximum         10 A           operational current at AC-15         1           exit 300 Vrated value         2A           exit 300 Vrated value         2A           exit 300 Vrated value         2A           exit 300 Vrated value         0A           exit 300 Vrated value         0A <td>closing delay</td> <td></td>	closing delay				
arcing time     713 ms       arcing time     1015 ms       Control version of the switch operating mechanism     Sandard A1 - A2       Auxiliary curcuit     1       operational current at AC-12 maximum     10A       operational current at AC-15     1       • at 200 Vrated value     3A       • at 200 Vrated value     3A       • at 500 Vrated value     1A       operational current at AC-12 maximum     10A       operational current at AC-15     1A       operational current at AC-16     1A       operational current at AC-17     1A       operational current at AC-18     3A       • at 500 Vrated value     3A       • at 600 Vrated value     6A       • at 800 Vrated value     1A       operational current at AC-17     1A       • at 200 Vrated value     0A       • at 100 Vrated value     1A       • at 200 Vrated value     0A       • at 200 Vrated value     0A       • at 200 Vrated value     1A       • at 200 Vr	• at DC	30 100 ms			
acting time         10 15 ms           control version of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         1           operational current at AC-12 maximum         10 A           operational current at AC-15         0           • at 300 Vrated value         10 A           • at 300 Vrated value         10 A           • at 300 Vrated value         10 A           • at 400 Vrated value         0 A           • at 600 Vrated value         0 A           • at 600 Vrated value         0 A           • at 60 Vrated value         1 A           • at 20 Vrated value         1 A           • at 80 Vrated value         1 A           • at 20 Vrated value         1 A           • at 80 Vrated value         0 A           • at 100 Vrated value         1 A           • a	opening delay				
control version of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         Immed of MC contacts for auxiliary contacts instantaneous         1           contact         0.0         10.0           operational current at AC-12 maximum         10.0           et al. 30 V rated value         3.0           et al. 30 V rated value         3.0           et al. 30 V rated value         10.0           et al. 400 V rated value         3.0           et al. 50 V rated value         10.0           et al. 50 V rated value         6.0           et al. 50 V rated value         6.0           et al. 50 V rated value         6.0           et al. 50 V rated value         0.15.0           et al. 50 V rated value         0.15.0           opperational current at DC-13         10.0           et al. 50 V rated value         2.0           et al. 50 V rated value         2.0           et al. 50 V rated value         0.3.0           et al. 50 V rated value         0.3.4           et al.	• at DC	7 13 ms			
Audilary circuit         1           under of NC contacts for auxiliary contacts instantaneous         1           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 300 V rated value         3 A           • at 300 V rated value         2 A           • at 300 V rated value         1 A           operational current at DC-12         1 A           • at 300 V rated value         6 A           • at 300 V rated value         7 A           • at 300 V rated value         7 A           • at 300 V rated value         0.15 A           operational current at DC-13         0 A           • at 30 V rated value         0.3 A           • at 30 V rated value         0.4 A           • at 30 V rated value         0.5 hp           • at 300 V rated value	arcing time	10 15 ms			
number of NC contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           oparational current at AC-15         10 A           • at 200 V rated value         3 A           • at 200 V rated value         3 A           • at 200 V rated value         3 A           • at 200 V rated value         1 A           opprational current at DC-12         10 A           • at 24 V rated value         6 A           • at 24 V rated value         6 A           • at 250 V rated value         2 A           • at 260 V rated value         2 A           • at 27 V rated value         1 A           • at 200 V rated value         2 A           • at 200 V rated value         2 A           • at 200 V rated value         1 A           • at 200 V rated value         1 A           • at 40 V rated value         1 A           • at 120 V rated value         0 A           • at 120 V rated value         0 A           • at 120 V rated value         1 A           • at 120 V rated value         0 A           • at 120 V rated value         1 A           • at 20 V rated value         1 A           • at 200 V rated value         <	control version of the switch operating mechanism	Standard A1 - A2			
contact         00 A           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           • at 300 V rade value         3 A           • at 300 V rade value         3 A           • at 300 V rade value         1 A           operational current at AC-12         1 A           operational current at AC-13         1 A           operational current at AC-14         6 A           • at 30 V rade value         6 A           • at 30 V rade value         6 A           • at 10 V rade value         6 A           • at 120 V rade value         7 A           • at 20 V rade value         1 A           • at 20 V rade value         1 A           • at 20 V rade value         2 A           • at 20 V rade value         0 A           • at 20 V rade value         0 A           • at 20 V rade value         0 A           • at 40 V rade value         2 A           • at 40 V rade value         0 A           • at 400 V rade value         0 A           • at 400 V rade value         0 A           • at 400 V rade value         1 A           • at 400 V rade value         1 A           • at 400 V rade value	Auxiliary circuit				
operational current at AC-15       10 A         • at 200 V rated value       10 A         • at 600 V rated value       3 A         • at 600 V rated value       2 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         • at 600 V rated value       10 A         • at 24 V rated value       6 A         • at 80 V rated value       6 A         • at 80 V rated value       6 A         • at 80 V rated value       2 A         • at 80 V rated value       6 A         • at 20 V rated value       2 A         • at 20 V rated value       2 A         • at 20 V rated value       2 A         • at 20 V rated value       0.15 A         operational current at DC-13       10 A         • at 80 V rated value       2 A         • at 60 V rated value       2 A         • at 10 V rated value       0.3 A         • at 125 V rated value       0.3 A         • at 20 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UICSA ratings       11 A         yielded mechanical performance (lp)       0         • for single-phase AC motor		1			
e at 230 V rated value     10 A       e at 230 V rated value     2 A       e at 500 V rated value     1 A       operational current at DC-12     10 A       e at 48 V rated value     6 A       e at 48 V rated value     6 A       e at 48 V rated value     6 A       e at 49 V rated value     6 A       e at 40 V rated value     6 A       e at 500 V rated value     2 A       e at 500 V rated value     2 A       e at 500 V rated value     2 A       e at 500 V rated value     10 A       e at 500 V rated value     10 A       e at 500 V rated value     2 A       e at 500 V rated value     10 A       e at 500 V rated value     10 A       e at 500 V rated value     2 A       e at 500 V rated value     10 A       e at 500 V rated value     0.5 A       e at 500 V rated value     11 A       e at 500 V rated value     11 A       e at 500 V rated value     10	operational current at AC-12 maximum	10 A			
	operational current at AC-15				
• at 500 V rated value       2 A         • at 690 V rated value       1A         • at 24 V rated value       10 A         • at 24 V rated value       6 A         • at 80 V rated value       6 A         • at 80 V rated value       6 A         • at 100 V rated value       3 A         • at 220 V rated value       2 A         • at 220 V rated value       0.15 A         operational current at DC-13       -         • at 300 V rated value       2 A         • at 300 V rated value       2 A         • at 300 V rated value       2 A         • at 42 V rated value       0.15 A         operational current at DC-13       -         • at 300 V rated value       2 A         • at 300 V rated value       2 A         • at 300 V rated value       0.8 A         • at 300 V rated value       0.1 A         • at 300 V rated value       0.1 A         • at 300 V rated value       0.1 A         • at 400 V rated value       11 A         • at 400 V rated value       11 A         • at 400 V rated value       11 A         • at 400 V rated value       12 A         • at 400 V rated value       13 bp         • at 400 V rated	• at 230 V rated value	10 A			
• et 680 V rated value     1 A       operational current at DC-12     • 10 A       • at 24 V rated value     5 A       • et 60 V rated value     6 A       • at 60 V rated value     3 A       • at 125 V rated value     2 A       • at 260 V rated value     1 A       • at 260 V rated value     0.15 A       opportional current at DC-13     •       • at 600 V rated value     1 A       • at 600 V rated value     2 A       • at 600 V rated value     2 A       • at 60 V rated value     0.5 A       • at 125 V rated value     0.9 A       • at 125 V rated value     0.3 A       • at 600 V rated value     0.1 A       • at 600 V rated value     0.1 A       • at 600 V rated value     11 A       • at 80 V rated value     11 A       • at 80 V rated value     11 A       • at 80 V rated value     12 A       • at 80 V rated value     13 A       • at 80 V rated value     14 A       • at 80 V rated value <td< td=""><td>• at 400 V rated value</td><td>3 A</td></td<>	• at 400 V rated value	3 A			
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 100 V rated value       2 A         • at 125 V rated value       2 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 60 V rated value       2 A         • at 60 V rated value       2 A         • at 40 V rated value       0.9 A         • at 20 V rated value       0.3 A         • at 60 V rated value       0.1 A         • at 60 V rated value       1 A         • at 60 V rated value	• at 500 V rated value	2 A			
• at 24 V rated value     10 A       • at 48 V rated value     6 A       • at 60 V rated value     3 A       • at 25 V rated value     3 A       • at 250 V rated value     1 A       • at 600 V rated value     0.15 A       operational current at DC-13     •       • at 42 V rated value     10 A       • at 46 V rated value     10 A       • at 46 V rated value     0.15 A       operational current at DC-13     •       • at 60 V rated value     2 A       • at 60 V rated value     1 A       • at 60 V rated value     0.4 A       • at 60 V rated value     1.4 A       • at 40 V rated value     1.4 A       • at 60 V rated value     1.4 A       • at 60 V rated value     1.4 A       • at 60 V rated value     1.4 A       • at 400 V rated value     1.4 A       • at 400 V rated value     1.4 A       • at 600 V rated value     2.4 p       • for 3-sphase AC motor	• at 690 V rated value	1 A			
• at 48 V rated value     6 A       • at 60 V rated value     6 A       • at 100 V rated value     3 A       • at 125 V rated value     2 A       • at 220 V rated value     1 A       • at 200 V rated value     0.15 A       operational current at DC-13     0 A       • at 60 V rated value     2 A       • at 10 V rated value     0 A       • at 20 V rated value     0.9 A       • at 20 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     11 A       • at 600 V rated value     11 A       • at 600 V rated value     11 A       • at 600 V rated value     12 A       • or single-phase AC motor     -       - at 200/208 V rated value     2 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     3 hp<	operational current at DC-12				
• at 60 V rated value     6 A       • at 110 V reted value     3 A       • at 220 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 24 V rated value     10 A       • at 24 V rated value     2 A       • at 24 V rated value     2 A       • at 25 V rated value     2 A       • at 10 V rated value     2 A       • at 125 V rated value     0.3 A       • at 200 V rated value     0.1 A       contact reliability of ratel value     11 A       • at 400 V rated value     11 A       • at 200 V rated value     11 A       • at 200 V rated value     0.5 hp       • at 200 V rated value     3 hp       • at 200 V rated v	at 24 V rated value	10 A			
• at 110 V rated value         3 A           • at 125 V rated value         2 A           • at 200 V rated value         1 A           • at 600 V rated value         0.15 A           operational current at DC-13         0 A           • at 42 V rated value         2 A           • at 48 V rated value         2 A           • at 60 V rated value         2 A           • at 60 V rated value         2 A           • at 110 V rated value         0.9 A           • at 25 V rated value         0.9 A           • at 200 V rated value         0.1 A           contact reliability of auxillary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         11 A           • at 600 V rated value         1 A           • at 600 V rated value         1 A           • at 600 V rated value         1 A           • at 200 V rated value         0.5 hp           - at 200/208 V rated value         1.6 m inglice phase AC motor           -	• at 48 V rated value	6 A			
• at 125 V rated value       2 A         • at 220 V rated value       1 A         • at 600 V rated value       0.15 A         operational current at DC-13       0 A         • at 24 V rated value       2 A         • at 40 V rated value       2 A         • at 60 V rated value       2 A         • at 10 V rated value       0.9 A         • at 22 V rated value       0.9 A         • at 20 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       11 A         full-load current (FLA) for 3-phase AC motor       1 auty switching per 100 million (17 V, 1 mA)         u/uCSA ratings       11 A         vielded mechanical performance [hp]       11 A         • of risingle-phase AC motor       0.5 hp         - at 200/208 V rated value       1.5 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 400/400 V rated value       7 hp         - at 400/400 V rated value       3 hp         - at 400/400 V rated value       10 hp         cotact	• at 60 V rated value	6 A			
• at 220 V rated value       1 A         • at 600 V rated value       0.15 A         operational current at DC-13	• at 110 V rated value	3 A			
• at 600 V rated value       0.15 A         operational current at DC-13       10 A         • at 24 V rated value       2 A         • at 60 V rated value       2 A         • at 60 V rated value       1 A         • at 10 V rated value       0.9 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)         UUCSA ratings       11 A         full-load current (FLA) for 3-phase AC motor       11 A         • at 800 V rated value       11 A         • at 600 V rated value       11 A         /pielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 200/208 V rated value       2 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       3 hp         - at 575/600 V rated value       3 hp<	• at 125 V rated value	2 A			
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 10 V rated value     1 A       • at 220 V rated value     0.9 A       • at 600 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     11 A       val 600 V rated value     11 A       • at 600 V rated value     2 hp       • for single-phase AC motor     - at 110/120 V rated value       - at 200/200 V rated value     3 hp       - at 202020 V rated value     3 hp       - at 202020 V rated value     3 hp       - at 55/500 V rated value     10 hp       contact rating of auxiliary contacts according to UL     6600 / G600       Short-circuit protection of the main circuit     - with type of assignment 2 required       - with type of assignment 2 required     g6: 50A (690V,100KA), aM: 20A (690V,100KA), BS88: 35A (415V,80KA) </td <td>• at 220 V rated value</td> <td>1 A</td>	• at 220 V rated value	1 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 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       11 A         full-load current (FLA) for 3-phase AC motor       11 A         • at 600 V rated value       11 A         • at 200 V rated value       0.5 hp         - at 200 V rated value       3 hp         - at 200/20 V rated value       3 hp         - at 200/20 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A800 / Q600         Short-circuit protection       gc: 50A (690V.100KA), aM: 20A (690V.100KA), BS88: 35A (415V.80KA)         - with type of assignment 1 required       gc: 50A (690V.100KA), aM: 20A (690V.100KA), BS88: 35A (415V.80KA) <tr< td=""><td>• at 600 V rated value</td><td>0.15 A</td></tr<>	• at 600 V rated value	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 1125 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       ULCSA ratings         full-load current (FLA) for 3-phase AC motor       11 A         • at 600 V rated value       11 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 110/120 V rated value       0.5 hp         - at 220/230 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 220/230 V rated value       10 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: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 50A (690V,1	operational current at DC-13				
• 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       1         full-load current (FLA) for 3-phase AC motor       11 A         • at 800 V rated value       11 A         • at 800 V rated value       11 A         • at 600 V rated value       11 A         • of or single-phase AC motor       -         - at 110/120 V rated value       0.5 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       g6: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)         - with type of coordination 1 required       g6: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)         - with type of assignment 2 required       g6: 10 A (500 V, 1 kA)         Installation/ mounting dimensions       +/180" rotation possible on vertica	• at 24 V rated value	10 A			
• at 110 V rated value       1 A         • at 125 V rated value       0.9 A         • at 200 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)         IU/CSA ratings       11 A         full-load current (FLA) for 3-phase AC motor       11 A         • at 480 V rated value       11 A         vielded mechanical performance [hp]       11 A         • for single-phase AC motor       0.5 hp         - at 200 V rated value       2 hp         • for 3-phase AC motor       2 hp         - at 200 V rated value       3 hp         - at 200 V rated value       3 hp         - at 200 V rated value       10 hp         - at 200 V rated value       7.5 hp         - at 450480 V rated value       7.5 hp         - at 575600 V rated value       7.5 hp         - at 575600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection of the main circuit       9G: 50A (690V, 100kA), aM: 10A (690V, 100kA), BS8B: 35A (415V, 80kA)         - with type of coordination 1 required       9G: 50A (690V, 100kA), aM: 10A (690V, 100kA), BS8B: 35A (415V, 80kA)         - w	• at 48 V rated value	2 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)         U/CSA ratings       1         full-load current (FLA) for 3-phase AC motor       11 A         • at 480 V rated value       11 A         • at 600 V rated value       11 A         • at 600 V rated value       11 A         • or single-phase AC motor       -         - at 110/120 V rated value       0.5 hp         - at 200208 V rated value       2 hp         • for 3-phase AC motor       -         - at 200208 V rated value       3 hp         - at 200208 V rated value       3 hp         - at 200208 V rated value       3 hp         - at 450/480 V rated value       7.5 hp         - at 450/480 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / 0600         Shortircuit protection of the main circuit       -         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS8B: 35A (415V,80kA)         - with type of coordination 1 required       gG: 10 A (500 V, 1 kA)         - with type of coordination 1 required <t< td=""><td>• at 60 V rated value</td><td>2 A</td></t<>	• at 60 V rated value	2 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       1         full-load current (FLA) for 3-phase AC motor       11 A         • at 480 V rated value       11 A         • at 600 V rated value       11 A         vielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 460/480 V rated value       7.5 hp         - at 450/5600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / 2600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 10 A (500 V, 100kA), aM: 20A (690V,100kA), BS88: 20A (415V,80kA) <tr< td=""><td>• at 110 V rated value</td><td>1 A</td></tr<>	• at 110 V rated value	1 A			
• at 600 V rated value       0.1 A         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UUCSS ratings       full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       11 A         • at 600 V rated value       11 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       0.5 hp         - at 10/120 V rated value       0.5 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       10 hp         - at 200/208 V rated value       10 hp         - at 60/480 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       g6: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       g6: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       g6: 10 A (500 V, 1 kA)         Installation/ mounting vifacesion <td>at 125 V rated value</td> <td>0.9 A</td>	at 125 V rated value	0.9 A			
contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>11 A</li> </ul> yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 10/120 V rated value</li> <li>0.5 hp</li> <li>at 200/208 V rated value</li> <li>2 hp</li> </ul> <ul> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 375/600 V rated value</li> <li>0 hp</li> </ul> contact rating of auxiliary contacts according to UL         A60 p           Short-circuit protection         46 bitse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 50A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 35A (415V, 80kA)</li> <li>gG: 50A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> Installation/ mounting variaces           mounting position         +/-180" rotation possible on vertical mounting surface; can be tilted forward a backward by +/-22.5" on vertical mounting surface <td>• at 220 V rated value</td> <td>0.3 A</td>	• at 220 V rated value	0.3 A			
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         • at 600 V rated value         11 A         yielded mechanical performance [hp]         • for single-phase AC motor         - at 10/120 V rated value         0.5 hp         - at 230 V rated value         10/120 V rated value         2 hp         • for 3-phase AC motor         - at 220/230 V rated value         2 hp         • at 60/480 V rated value         - at 220/230 V rated value         - at 220/230 V rated value         - at 450/480 V rated value         - at 575/600 V rated value         0 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         - with type of assignment 2 required         - of short-circuit protection of the auxiliary switch required         - of	• at 600 V rated value	0.1 A			
full-load current (FLA) for 3-phase AC motor       11 A         • at 480 V rated value       11 A         • at 600 V rated value       11 A         yielded mechanical performance [hp]       11 A         • for single-phase AC motor       0.5 hp         - at 110/120 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 450/480 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 20A (415V,80kA)         - with type of coordination 1 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 a backward by +/-22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         •	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)			
• at 480 V rated value       11 A         • at 600 V rated value       11 A         yielded mechanical performance [hp]       11 A         • for single-phase AC motor       0.5 hp         - at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       design of the fuse link         • for short-circuit protection of the main circuit       - with type of coordination 1 required         - with type of coordination 1 required       gG: 50A (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 a backward by +/- 22.5° on vertical mounting surface;         fastening method       screw and snap-on mounting ont	UL/CSA ratings				
• at 600 V rated value       11 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       0.5 hp         - at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       3 hp         - at 202/230 V rated value       3 hp         - at 220/230 V rated value       7.5 hp         - at 460/480 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       4600 / Q600         Short-circuit protection of the main circuit       -         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 required       gG: 10 A (500 V, 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, 1 0kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 0kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)         • for short-circuit protection of the auxiliary switch required	full-load current (FLA) for 3-phase AC motor				
yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>bp</li> <li>at 230 V rated value</li> <li>chor 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>chor 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>chor 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>dp</li> <li>at 460/480 V rated value</li> <li>fp</li> <li>at 460/480 V rated value</li> <li>fp</li> <li>at 575/600 V rated value</li> <li>dp</li> <li>doi/180 V rated value</li> <li>fp</li> <li>at 575/600 V rated value</li> <li>dp</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: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>gG: 10A (690V,100kA), aM: 16A (690V, 100kA), BS88: 35A (415V,80kA)</li> <li>gG: 10A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)</li> <li>gG: 10A (500 V, 1 kA)</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>t/-180° rotation possible on vertical mounting surface; can be tilted forward a backward by +/- 22.5° on vertical mounting surface</li> <li>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071</li> <li>Yes</li> <li>Yes</li> <li>Mounting Position</li> <li>Yes</li> <li>An and a backward by +/- 22.5°</li> <li>Yes</li> <li>Yes</li></ul>	• at 480 V rated value	11 A			
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>bt vated value</li> <li>construct at value</li> <li>construct value</li> <li>value</li> <li>value</li></ul></li></ul>	• at 600 V rated value	11 A			
- at 110/120 V rated value       0.5 hp         - at 230 V rated value       2 hp         • for 3-phase AC motor       3 hp         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       460/480 V rated value         design of the fuse link       9G: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 50A (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       4/-180° rotation possible on vertical mounting surface; can be tilted forward a backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         • side-by-side mounting       Yes	yielded mechanical performance [hp]				
- at 230 V rated value       2 hp         • for 3-phase AC motor       3 hp         - at 200/208 V rated value       3 hp         - at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       460/480         design of the fuse link       6 for short-circuit protection of the main circuit         - with type of coordination 1 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of assignment 2 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 a backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         • side-by-side mounting       Yes	<ul> <li>for single-phase AC motor</li> </ul>				
• for 3-phase AC motor         3 hp           - at 200/208 V rated value         3 hp           - at 220/230 V rated value         3 hp           - at 460/480 V rated value         7.5 hp           - at 575/600 V rated value         10 hp           contact rating of auxiliary contacts according to UL         A600 / Q600           Short-circuit protection         4600 / Q600           Gesign of the fuse link         • for short-circuit protection of the main circuit           - with type of coordination 1 required         gG: 50A (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 a backward by +/- 22.5° on vertical mounting surface           fastening method         screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071           • side-by-side mounting         Yes	— at 110/120 V rated value	0.5 hp			
	— at 230 V rated value	2 hp			
	<ul> <li>for 3-phase AC motor</li> </ul>				
- at 220/230 V rated value       3 hp         - at 460/480 V rated value       7.5 hp         - at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection       design of the fuse link         • for short-circuit protection of the main circuit       - with type of coordination 1 required         - with type of assignment 2 required       gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 10kA), aM: 20A (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 a backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         • side-by-side mounting       Yes	— at 200/208 V rated value	3 hp			
— at 575/600 V rated value       10 hp         contact rating of auxiliary contacts according to UL       A600 / Q600         Short-circuit protection	— at 220/230 V rated value				
	— at 460/480 V rated value				
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: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)         - with type of coordination 1 required       gG: 20A (690V,100kA), aM: 20A (690V, 100kA), BS88: 20A (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 a backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         • side-by-side mounting       Yes	— at 575/600 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: 50A (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 0kA), 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 a backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         • side-by-side mounting       Yes	contact rating of auxiliary contacts according to UL				
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>gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)</li> <li>with type of assignment 2 required</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 a backward by +/- 22.5° on vertical mounting surface</li> <li>side-by-side mounting</li> </ul> </li>					
• for short-circuit protection of the main circuit         gG: 50A (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 0kA), 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 a backward by +/- 22.5° on vertical mounting surface           fastening method         screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071           • side-by-side mounting         Yes					
	-				
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	-	gG: 50A (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 kA)           Installation/ mounting/ dimensions					
Installation/ mounting/ dimensions         mounting position         +/-180° rotation possible on vertical mounting surface; can be tilted forward a backward by +/- 22.5° on vertical mounting surface         fastening method         • side-by-side mounting         Yes					
mounting position       +/-180° rotation possible on vertical mounting surface; can be tilted forward a backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071         • side-by-side mounting       Yes					
fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071.         • side-by-side mounting       Yes		+/-180° rotation possible on vertical mounting surface: can be tilted forward and			
side-by-side mounting Yes					
	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
height 58 mm	• side-by-side mounting	Yes			
101ght	height	58 mm			
width 45 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				
<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				
for auxiliary and control circuit	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				
solid     or stranded	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>				
<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				
stranded	0.5 4 mm <sup>2</sup>				
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>				
connectable conductor cross-section for auxiliary contacts					
solid or stranded	0.5 4 mm²				
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>				
type of connectable conductor cross-sections					
for auxiliary contacts					
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²				
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12				
AWG number as coded connectable conductor cross					
section					
for main contacts	20 12				
<ul> <li>for auxiliary contacts</li> </ul>	20 12				
Safety related data					
product function					
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes				
B10 value with high demand rate according to SN 31920	1 000 000				
proportion of dangerous failures					
with low demand rate according to SN 31920	40 %				
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %				
failure rate [FIT] with 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				
suitability for use					
<ul> <li>safety-related switching OFF</li> </ul>	Yes				
Certificates/ approvals					
General Product Approval					

SP SM	<u>Confirmation</u>			<u>KC</u>	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confor	rmity	Test Certificates	
RCM	Type Examination Cer- tificate	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Register urs	PRS	RINA
Marine / Shipping	other		Railway	Dangerous Good	Environment
KMRS	<u>Confirmation</u>	UDE VDE	Vibration and Shock	Transport Information	Environmental Con- firmations
Further information					
https://press.siemens.c Siemens is working of Please contact your lo EAC relevant market ( Information on the pa https://support.industry Information- and Dow https://www.siemens.c Industry Mall (Online	<u>y.siemens.com/cs/ww/en/vi</u> wnloadcenter (Catalogs, E com/ic10	existences-wind-down-rus rent EAC certificates. tatus of validity of the EA EAEU member states Rus ew/109813875 Brochures,)	C certification if you intenessia or Belarus).	d to import or offer to supp	bly these products to an

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1BW42

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1BW4

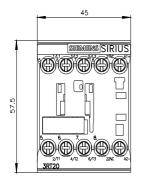
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-1BW42&lang=en

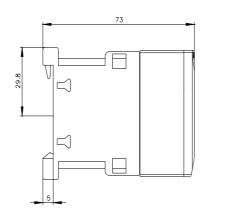
Characteristic: Tripping characteristics, I2t, Let-through current

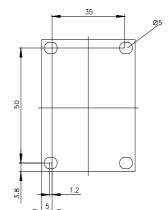
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1BW42/char

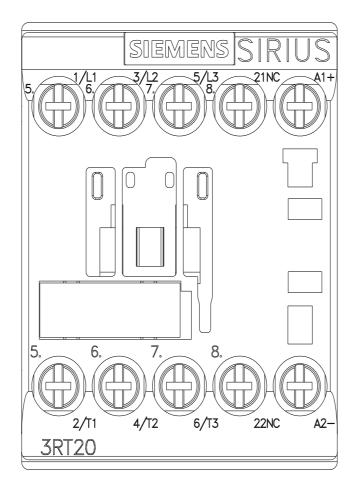
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siem ens.com/bilddb/index.aspx?view=S arch&mlfb 

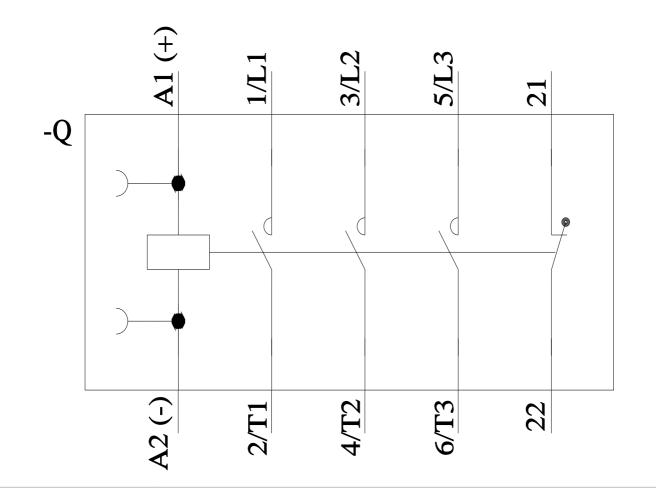








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