## SIEMENS

## Data sheet

## 3RT2027-2NF30



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 95-130 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal

product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data			
size of contactor	SO		
product extension			
<ul> <li>function module for communication</li> </ul>	No		
<ul> <li>auxiliary switch</li> </ul>	Yes		
power loss [W] for rated value of the current			
<ul> <li>at AC in hot operating state</li> </ul>	6.3 W		
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.3 W		
<ul> <li>without load current share typical</li> </ul>	1.8 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 safe isolation between coil and main contacts according to EN 60947-1	400 V		
shock resistance at rectangular impulse			
• at AC	8,3g / 5 ms, 5,3g / 10 ms		
• at DC	10g / 5 ms, 7,5g / 10 ms		
shock resistance with sine pulse			
• at AC	13,5g / 5 ms, 8,3g / 10 ms		
• at DC	15g / 5 ms, 10g / 10 ms		
mechanical service life (operating cycles)			
<ul> <li>of contactor typical</li> </ul>	10 000 000		
<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			
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V		
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V		
operational current			
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C</li> </ul>	50 A		
rated value			
• at AC-1			
— up to 690 V at ambient temperature 40 °C	50 A		
rated value	40.4		
— up to 690 V at ambient temperature 60 °C rated value	42 A		
• at AC-3			
— at 400 V rated value	32 A		
— at 500 V rated value	32 A		
— at 690 V rated value	21 A		
• at AC-3e			
— at 400 V rated value	32 A		
— at 500 V rated value	32 A		
— at 690 V rated value	21 A		
• at AC-4 at 400 V rated value	22 A		
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	44 A		
• at AC-5b up to 400 V rated value	26.5 A		
● at AC-6a			
<ul> <li>— up to 230 V for current peak value n=20 rated</li> </ul>	30.8 A		
value			
<ul> <li>up to 400 V for current peak value n=20 rated</li> </ul>	30.8 A		
value			
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	27 A		
— up to 690 V for current peak value n=20 rated	21 A		
value			
• at AC-6a			
<ul> <li>up to 230 V for current peak value n=30 rated</li> </ul>	20.5 A		
value			
<ul> <li>up to 400 V for current peak value n=30 rated</li> </ul>	20.5 A		
value			
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	18 A		
— up to 690 V for current peak value n=30 rated	18 A		
value	10 A		
minimum cross-section in main circuit at maximum AC-1	10 mm <sup>2</sup>		
rated value			
operational current for approx. 200000 operating			
cycles at AC-4			
• at 400 V rated value	12 A		
• at 690 V rated value	12 A		
operational current			
• at 1 current path at DC-1			
— at 24 V rated value	35 A 20 A		
— at 60 V rated value	4.5 A		
— at 110 V rated value — at 220 V rated value	4.5 A 1 A		
— at 440 V rated value	0.4 A		
— at 600 V rated value	0.45 A		
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	0.20 M		
with 2 current paths in series at DC-1     — at 24 V rated value	35 A		
— at 60 V rated value	35 A 35 A		
— at 110 V rated value	35 A 35 A		
— at 220 V rated value	5 A		
— at 440 V rated value	1A		
— at 600 V rated value	0.8 A		
with 3 current paths in series at DC-1			
— at 24 V rated value	35 A		

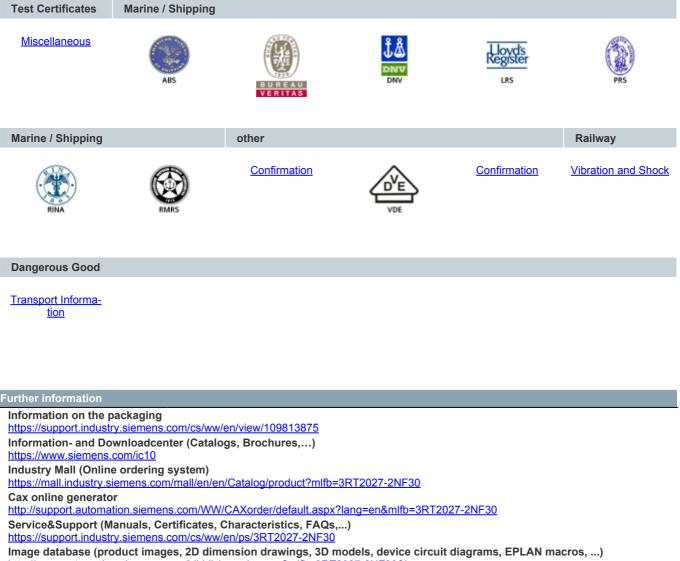
Ν

— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
	1.4 A
— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
	15 A
— at 110 V rated value	
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	0.077
• at AC-3	7.5.1.11
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
• at AC-3e	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
operating power for approx. 200000 operating cycles at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	6 kW
<ul> <li>at 690 V rated value</li> </ul>	10.3 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	12.2 kVA
• up to 400 V for current peak value n=20 rated value	21.3 kVA
• up to 500 V for current peak value n=20 rated value	23.3 kVA
• up to 690 V for current peak value n=20 rated value	25 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	8.1 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	14.2 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	15.5 kVA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	21.5 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>	499 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	341 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	260 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	199 A; Use minimum cross-section acc. to AC-1 rated value
_	162 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 60 s switching at zero current maximum	
no-load switching frequency	4 500 4/1-
• at AC	1 500 1/h
• at DC	1 500 1/h
operating frequency	
<ul> <li>at AC-1 maximum</li> </ul>	1 000 1/h
<ul> <li>at AC-2 maximum</li> </ul>	750 1/h

• at AC-3 maximum	750 1/h
<ul> <li>at AC-3e maximum</li> </ul>	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	95 130 V
<ul> <li>at 60 Hz rated value</li> </ul>	95 130 V
control supply voltage at DC	
<ul> <li>rated value</li> </ul>	95 130 V
operating range factor control supply voltage rated	
value of magnet coil at DC	
• initial value	0.7
• full-scale value	1.3
operating range factor control supply voltage rated	
value of magnet coil at AC	07 40
• at 50 Hz	0.7 1.3 0.7 1.3
• at 60 Hz	
design of the surge suppressor	with varistor
inrush current peak	15 A 20 up
duration of inrush current peak	30 µs
locked-rotor current mean value	0.13 A
locked-rotor current peak duration of locked-rotor current	0.19 A 180 ms
holding current mean value	19 mA
<ul> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> </ul>	11.9 VA
• at 60 Hz	12 VA
inductive power factor with closing power of the coil	
at 50 Hz	0.98
• at 60 Hz	0.98
apparent holding power of magnet coil at AC	0.50
apparent noticing power of magnet con at Ao     at 50 Hz	1.6 VA
• at 60 Hz	1.8 VA
inductive power factor with the holding power of the	1.0 VA
coil	
● at 50 Hz	0.79
• at 60 Hz	0.74
closing power of magnet coil at DC	10.2 W
holding power of magnet coil at DC	1.3 W
closing delay	
• at AC	50 80 ms
• at DC	50 80 ms
opening delay	
• at AC	30 50 ms
• at DC	30 50 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
instantaneous contact	
number of NO contacts for auxiliary contacts	1
instantaneous contact	40.4
operational current at AC-12 maximum	10 A
operational current at AC-15	10.4
at 230 V rated value	10 A
at 400 V rated value	3 A
at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	10.4
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A

<ul> <li>at 25 V intel Value</li> <li>at 26 V intel Value</li> <li>at 26 V intel Value</li> <li>bit 26 V intel Value</li> <li>constrained Value</li> <li>constrain</li></ul>	a at 405 V rated value	0.4		
• at 800 V rated value     0.15 Å       • at 24 V rated value     10 Å       • at 46 V rated value     2 Å       • at 60 V rated value     2 Å       • at 60 V rated value     2 Å       • at 715 V rated value     1 Å       • at 725 V rated value     0.9 Å       • at 800 V rated value     0.9 Å       • at 800 V rated value     0.9 Å       • at 800 V rated value     0.1 Å       • at 800 V rated value     0.1 Å       • at 800 V rated value     2 Å       • at 800 V rated value     5 Å       • at 800 V rated value     5 Å       • at 800 V rated value     5 Å       • at 800 V rated value     10 Å	at 125 V rated value	2 A		
operational current at DC-13         Image: ima				
<ul> <li>at 24 V tated value</li> <li>at 34 V tated value</li> <li>at 36 V trade value</li> <li>at 37 V trade value</li> <li>at 38 V trade value</li> <li>be side value</li> <li>at 38 V trade value</li> <li>be side value</li> <li>be side value</li> <li>be 30 V trade value</li> <li>be side value</li> <li>at 30 V trade value</li> <li>be side value</li> <li>be side value</li> <li>be side value</li> <li>at 30 V trade val</li></ul>		0.15 A		
a # 45 V rated value     2 Å       a # 60 V rated value     1 Å       a # 120 V rated value     0.9 Å       a # 120 V rated value     0.3 Å       a # 120 V rated value     0.3 Å       a # 120 V rated value     0.1 Å       contact reliability of auxillary contacts     1 faulty switching per 100 million (17 V, 1 mÅ)       UCGSA ratings     27 Å       full-load current (FLA) for 3-phase AC motor     7 Å       - at 400 V rated value     27 Å       • at 600 V rated value     27 Å       - at 101/120 V rated value     27 Å       - at 200 V rated value     5 hp       - for single-phase AC motor     -       - at 200/200 V rated value     5 hp       - at 200/200 V rated value     5 hp       - at 200/200 V rated value     20 hp       - at 675/600 V rated value     20 hp       - at 676/600 V rated value     20 hp       - at 70 value value     5 hp       - or short-circuit protection of the auxillary contat according to U       - with type of assignment 2 required       - with type of assignment 2 required       - with type of assignment 2 required       for short-circuit protection of the auxil	•	40.4		
<ul> <li>a 60 V arad value</li> <li>a A</li> <li>at 132 V rada Value</li> <li>a A</li> <li>at 230 V rada Value</li> <li>at 240 V rada Value</li> <li>27 A</li> <li>at 600 V rada Value</li> <li>27 A</li> <li>at 230 V rada Value</li> <li>5 hp</li> <li>at 230 V rada Value</li> <li>5 hp</li> <li>at 230 V rada Value</li> <li>10 hp</li> <li>- at 230 V rada Value</li> <li>20 hp</li> <li>- at 230 V rada Value</li> <li>20 hp</li> <li>- at 2400208 V rada Value</li> <li>20 hp</li> <li>- at 460440 V rada Value</li> <li>20 hp</li> <li>- at 230 V rada Value</li> <li>20 hp</li> <li>- at 460440 V rada Value</li> <li>- at 460440 V rada Value</li> <li>- at 4604</li></ul>				
• #1 10 V rated value     1 A       • #1 20 V rated value     0 3 A       • at 200 V rated value     0.3 A       • at 600 V rated value     0.1 A       Contact reliability of auxiliary contacts     1 faility switching per 100 million (17 V. 1 mA)       UUCSA ratings     7 A       • at 600 V rated value     27 A       • of angle-phase AC motor     -				
• 1125 V rade value     0.9 Å       • at 600 V rade value     0.1 Å       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mÅ) <b>Ut/GSA ratio</b> 1 faulty switching per 100 million (17 V, 1 mÅ) <b>Ut/GSA ratio</b> 27 Å       • at 600 V rade value     27 Å       • at 600 V rade value     27 Å       • at 600 V rade value     27 Å       • of single-phase AC motor     -       - at 1220/230 V rated value     5 hp       • for single-phase AC motor     -       - at 220/230 V rated value     10 hp       - at 220/230 V rated value     20 hp       - at 220/230 V rated value     10 hp       - at 220/230 V rated value     20 hp       - at 4200 V rated value     20 hp       - at 575600 V rated value     20 hp       - at 575600 V rated value     20 hp       - or with ype of assignment 2 required     36: 10 (600 V, 100 kA), aM: 25A (690V, 100 kA				
<ul> <li>ei 200 V rated value</li> <li>0.3 Å</li> <li>ei 800 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UUCSA ratings</li> <li>UUCSA ratings</li> <li>UUCSA ratings</li> <li>UUCSA ratings</li> <li>ei 480 V rated value</li> <li>27 Å</li> <li>ei 480 V rated value</li> <li>2 hp</li> <li>ei 480 V rated value</li> <li>5 hp</li> <li>for angle-phase AC motor</li> <li>- at 202/280 V rated value</li> <li>5 hp</li> <li>for 3-phase AC motor</li> <li>- at 202/280 V rated value</li> <li>20 hp</li> <li>- at 400480 V rated value</li> <li>20 hp</li> <li>- at 4000 V rated value</li> <li>20 hp</li> <li>- at 400480 V rated value</li> <li>20 hp</li> <li>- at 4000 V rated value</li> <li>20 hp</li> <li>- at 400480 V rated value</li> <li>20 hp</li> <li>- other value protection of the main circuit</li> <li>- with hype of coordination 1 required</li> <li>(di 525A (690V, 100A), aM: 50A (690V, 100A), BS8E: 125A</li> <li>(di 715 A (500 V, 100A), aM: 25A (690V, 100A), BS8E: 125A</li> <li>(di 715 A (500 V, 10A), aM: 25A (690V, 100A), BS8E: 125A</li> <li>(di rat and tacc</li></ul>				
• et 600 V rated value     0.1 Å       Contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UUCSA ratings     27 Å       • et 480 V rated value     27 Å       • et 480 V rated value     27 Å       • et 480 V rated value     27 Å       • et 101 V rated value     27 Å       • et 300 V rated value     27 Å       • et 300 V rated value     27 Å       • et 300 V rated value     2 hp       • et 300 V rated value     5 hp       • for 3-phase AC motor     10 hp       • et 320020 V rated value     10 hp       • et 320020 V rated value     20 hp       • et 300200 V rated value     20 hp       • et 375600 V rated value     20 hp       • et 375600 V rated value     20 hp       • or short-circuit protection of the main circuit     96 r326 (800V 100kA), aM: 50A (690V,100kA), BS88: 125A (415V, 506A)       • for short-circuit protection of the auxiliary switch required     96 r30 (500V,100kA), aM: 25A (690V,100kA), BS88: 125A (415V, 506A)       • for short-circuit protection of the auxiliary switch required     96 r30 (500V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V, 506A)       • for short-circuit protection of the auxiliary switch required     97 r 128 rate rate rate rate rate rate rate rate				
contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           ULGSA ratings         FiltI-load current (FLA) for 3-phase AC motor           • at 480 V rated value         27 A           • at 800 V rated value         27 A           • of value phase AC motor         -           • - at 110/120 V rated value         2 hp           • - at 200 V rated value         2 hp           • - at 2002 V rated value         2 hp           • - at 200220 V rated value         20 hp           at 460480 V rated value         20 hp           at 110 rate infa         65 rs 500 V rated value           0 for short-circuit protection of the main circuit         gG: 125A (800V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V, 80KA)           - with type of coastignment 2 required         gG: 50A (690V,100kA), aM: 50A (690V, 100kA), BS88: 125A (415V, 80KA)           - with side-by-side mounting         GG: 50A (690V,100kA), aM: 50A (690V, 100kA), BS88: 125A (415V, 80KA)           - with side-by-side mounting         - (-100 rotation possible on vet				
<b>IUI-CSA ratings</b> full-load current (FLA) for 3-phase AC motor         • at 800 V rated value       27 A         • at 800 V rated value       27 A         • at 800 V rated value       27 A         • of single-phase AC motor       -         • - at 230 V rated value       5 hp         • of 3-phase AC motor       -         • - at 230 V rated value       5 hp         • of 3-phase AC motor       -         at 200230 V rated value       20 hp         at 200230 V rated value       20 hp         at 575600 V rated value       20 hp         - at 575600 V rated value       20 hp         - at 575600 V rated value       20 hp         - with type of acutilary contacts according to UL       A000 / P600         Short-circuit protection of the main circut       -         - with type of assignment 2 required       gC: 125A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 125A (415V, 80KA)         - for short-circuit protection of the auxiliary switch required       gC: 10 A (500 V, 1 0kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80KA)         • side-by-side mounting       +/-180' rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface         • side-by-side mounting       +/-180' rotation possible on vertical mounting surface				
tuil-load current (FLA) for 3-phase AC motor       27 A         • at 600 V rated value       27 A         • at 600 V rated value       27 A         • for single-phase AC motor       21 A         at 100/120 V rated value       2 hp         • for single-phase AC motor       -         at 200/280 V rated value       10 hp         at 200/280 V rated value       10 hp         at 200/280 V rated value       10 hp         at 4575600 V rated value       2 hp		1 faulty switching per 100 million (17 V, 1 mA)		
<ul> <li>at 4800 Vrated value</li> <li>27 A</li> <li>at 800 Vrated value</li> <li>27 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 230 Vrated value</li> <li>5 hp</li> <li>for 3 phase AC motor</li> <li>at 20028 Vrated value</li> <li>10 hp</li> <li>at 20028 Vrated value</li> <li>20 hp</li> <li>at 800 Vrated value</li> <li>at 800 Vrate 400 Vrated value</li> <li>at 800 Vrate 400 Vrated value</li> <li>at 800 Vrated valu</li></ul>	UL/CSA ratings			
• at 600 V rated value     27 A       vielded mechanics performance (hp)     -       • for single-phase AC motor     -       - at 200708 V rated value     2 hp       • for 3-phase AC motor     -       - at 200708 V rated value     10 hp       - at 200708 V rated value     20 hp       - at 200708 V rated value     20 hp       - at 400480 V rated value     20 hp       contact rating of auxiliary contacts according to UL     A000 / P600       Short-circuit protection of the main circuit     -       - with hype of coordination 1 required     gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V, 80KA)       - with type of assignment 2 required     gG: 125A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V, 80KA)       - for short-circuit protection of the auxiliary switch required     required       fastalizor/ mounting of the fase link     -       fastalizor/ mounting of the fase link     -       indight     102 mm       with th side-by-side mounting     Yes       height     107 mm       required spacing     -       with	full-load current (FLA) for 3-phase AC motor			
yielded machanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>- at 1201/120 V rated value</li> <li>- br 2200 V rated value</li> <li>- at 22002 V rated value</li> <li>- at 220/230 V rated value</li> <li>- at 420/480 V rated value</li> <li>- at 420/480 V rated value</li> <li>- at 450/480 V rated value</li> <li>- at 675/5000 V rated value</li> <li>- at 680/5000</li> <li>- at 680</li> <li>- at 680/5000</li> <li>- at 680/5000</li> <li>- at 680/5000</li> <li>- at 680</li> <li>- at 680</li></ul>	<ul> <li>at 480 V rated value</li> </ul>	27 A		
if or single-phase AC motor	<ul> <li>at 600 V rated value</li> </ul>	27 A		
	yielded mechanical performance [hp]			
	<ul> <li>for single-phase AC motor</li> </ul>			
• for 3-phase AC motor               - at 200/208 V rated value             10 hp               - at 200/208 V rated value             10 hp               - at 450/480 V rated value             20 hp               - at 450/480 V rated value             20 hp               - at 575600 V rated value             25 hp               contact rating of auxiliary contacts according to UL             A600 / P600               Short-circuit protection             Gesign of the fuse link               • for short-circuit protection of the main circuit             - with type of coordination 1 required               • for short-circuit protection of the auxiliary switch required             gG: 10 A (500 V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)               • for short-circuit protection of the auxiliary switch required             gG: 10 A (500 V, 10kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)               • for short-circuit protection of the auxiliary switch required             gG: 10 A (500 V, 10kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)               • for short-circuit protection of the auxiliary switch required scalar and backward by +/ 22.5° on vertical mounting surface; can be tilted forward and backward by +/ 22.5° on vertical mounting surface; can be tilted forward and backward by +/ 22.5° on vertical mounting surface; can be tilted forward and backward by +/ 22.5° on vertical mounting surface	— at 110/120 V rated value	2 hp		
	— at 230 V rated value	5 hp		
	<ul> <li>for 3-phase AC motor</li> </ul>			
	— at 200/208 V rated value	10 hp		
	— at 220/230 V rated value	10 hp		
contact rating of auxiliary contacts according to UL       A600 <sup>1</sup> / 6600         Short-circuit protection of the main circuit <ul> <li>• for short-circuit protection of the main circuit</li> <li>- with type of coordination 1 required</li> <li>gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,00kA)</li> <li>- with type of assignment 2 required</li> <li>gG: 50A (690V,100kA), aM: 50A (690V,100kA), BS88: 50A (415V, 80kA)</li> <li>• for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul> <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>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</li> <ul> <li>• side-by-side mounting</li> <li>+780° 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> </ul> <ul> <li>• side-by-side mounting</li> <li>+60 mm</li> <li>+60 mm</li> <li>+100 mm</li> <li>-60 wards</li> <li>+100 mm</li> <li>-60 wards</li> <li>+60 mm</li> <li>-60 wards</li> <li>-60 mards</li> <li>-60 mards</li></ul>	— at 460/480 V rated value	20 hp		
Short-circuit protection         design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         gG: 125A (690V, 100kA), aM: 50A (690V, 100kA), BS88: 125A (415V, 300A)         • for short-circuit protection of the auxiliary switch         required         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         + equired         with depth         102 mm         width         - downwards         - forwards	— at 575/600 V rated value	25 hp		
design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of assignment 2 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 10kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80KA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>rectain protection possible on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backward by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forwards and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forwards and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forwards and backwards by 4-/ 22.5' on vertical mounting by 500000000000000000000000000000000000</li></ul>	contact rating of auxiliary contacts according to UL	A600 / P600		
design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of assignment 2 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 10kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80KA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>rectain protection possible on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backward by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forward and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forwards and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forwards and backwards by 4-/ 22.5' on vertical mounting surface: can be tilted forwards and backwards by 4-/ 22.5' on vertical mounting by 500000000000000000000000000000000000</li></ul>	Short-circuit protection			
- with type of coordination 1 required     gG: 125A (690V, 100kA), aM: 50A (690V, 100kA), BS8B: 125A (415V, 80kA)       - with type of assignment 2 required     gG: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS8B: 50A (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; scae be tilted forward and backward by +/-22.5' on vertical mounting surface; scae be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forward and backward by +/-22.5' on vertical mounting surface; can be tilted forwards in the side scae was nap-on mounting onto 35 mm DIN rail according to DIN EN 60715       • side-by-side mounting     Yes       • with side-by-side mounting     Yes       • onwards     10 mm       - forwards     10 mm       - onwards     10 mm       - onwards     10 mm       - at the side     6 mm       - onwards     10 mm       - at the side     6 mm       - onwards     10 mm       - onwards     10 mm       - at the	-			
(415V,80kA)         - with type of assignment 2 required       gG: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       y-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface wand snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         • side-by-side mounting       Yes         height       102 mm         width       45 mm         depth       107 mm         required spacing       omm         • with side-by-side mounting       10 mm         - forwards       10 mm         - giverds       10 mm         - forwards       10 mm         - downwards       10 mm         - at the side       0 mm         - forwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - of wards       10 mm         - at the side       6 mm         - of wards       10 mm         - at the side       6 mm         - of wards       10 mm </td <td></td> <td>aG: 125A (690V 100kA) aM: 50A (690V 100kA) BS88: 125A</td>		aG: 125A (690V 100kA) aM: 50A (690V 100kA) BS88: 125A		
- with type of assignment 2 required     gG: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (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       height     102 mm       width     45 mm       depth     107 mm       - upwards     10 mm       - upwards     0 mm       - forwards     10 mm       - upwards     10 mm       - forwards     10 mm       - upwards     10 mm       - at the side     6 mm       - forwards     10 mm       - upwards     10 mm       - upwards     10 mm       - upwards     10 mm       - at the side     6 mm       - at the side     6 mm       - at the side     6 mm       - downwards     10 mm       - downwards     10 mm       - downwards     1	with type of obordination in required	<b>o</b>		
• 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         height       102 mm         width       45 mm         depth       107 mm         required spacing       -         • with side-by-side mounting       -         - forwards       10 mm         - growards       10 mm         - downwards       10 mm         - at the side       0 mm         - forwards       10 mm         - at the side       0 mm         - forwards       10 mm         - at the side       0 mm         - forwards       10 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - upwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm     <	- with type of assignment 2 required	gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V,		
mounting position         +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715           • side-by-side mounting         Yes           height         102 mm           width         45 mm           depth         107 mm           required spacing         0 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         0 mm           - at the side         6 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm           - at the side         6 mm           - downwards         10 mm           - downwards         6 mm <td></td> <td></td>				
mounting position         +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715           • side-by-side mounting         Yes           height         102 mm           width         45 mm           depth         107 mm           required spacing         0 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         0 mm           - at the side         6 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm           - at the side         6 mm           - downwards         10 mm           - downwards         6 mm <td></td> <td>,</td>		,		
fastening method       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       102 mm         width       45 mm         depth       107 mm         required spacing       10 mm         - forwards       10 mm         - downwards       10 mm         - at the side       0 mm         - at the side       0 mm         - upwards       10 mm         - at the side       0 mm         - downwards       10 mm         - at the side       0 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - upwards       10 mm         - forwards       10 mm         -	required	,		
60715         • side-by-side mounting       Yes         height       102 mm         width       45 mm         depth       107 mm         required spacing       -         • with side-by-side mounting       -         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - at the side       0 mm         - forwards       10 mm         - upwards       10 mm         - at the side       0 mm         - forwards       10 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - at the side       6 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - downwards       6 mm         - downwards <td< td=""><td>required Installation/ mounting/ dimensions</td><td>gG: 10 A (500 V, 1 kA)</td></td<>	required Installation/ mounting/ dimensions	gG: 10 A (500 V, 1 kA)		
height     102 mm       width     45 mm       depth     107 mm       required spacing	required Installation/ mounting/ dimensions mounting position	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
with45 mmdepth107 mmrequired spacing-• with side-by-side mounting0 mm- forwards10 mm- upwards10 mm- downwards0 mm- downwards0 mm- at the side0 mm• for grounded parts forwards10 mm- upwards10 mm- at the side6 mm- at the side6 mm- at the side6 mm- at the side10 mm- at the side6 mm- downwards10 mm- at the side6 mm- downwards10 mm- at the side6 mm- at the side6 mm- at the side6 mm- at the side10 mm- at the side10 mm- forwards10 mm- at the side6 mm- forwards10 mm- at the side6 mm- downwards10 mm- at the side6 mm- forwards10 mm- at the side6 mm	required Installation/ mounting/ dimensions mounting position fastening method	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
depth       107 mm         required spacing       -         • with side-by-side mounting       -         - forwards       10 mm         - upwards       10 mm         - downwards       0 mm         - downwards       0 mm         - at the side       0 mm         - for grounded parts       -         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - at the side       6 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes		
required spacing       I         • with side-by-side mounting       10 mm         - forwards       10 mm         - upwards       10 mm         - downwards       0 mm         - at the side       0 mm         - for grounded parts       0 mm         - forwards       10 mm         - upwards       10 mm         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       6 mm         Connections/ Terminals       6 mm         type of electrical connection       6 mm	required Installation/ mounting/ dimensions mounting position fastening method  • side-by-side mounting height	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm		
with side-by-side mounting <ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>downwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>for main</li> <li>at the side</li> <li>for main</li> <li>for wards</li> <li>for wards</li> <li>for main</li> <li>downwards</li> <li>for main current circuit</li> </ul>	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm		
forwards10 mm upwards10 mm downwards10 mm at the side0 mm at the side0 mm• for grounded parts10 mm forwards10 mm upwards10 mm at the side6 mm downwards10 mm at the side6 mm downwards10 mm forwards10 mm forwards10 mm forwards10 mm forwards10 mm forwards10 mm at the side6 mm downwards6 mm downwards6 mm at the side6 mm at the side6 mm at the side6 mm at the side6 mm at the side5 mm at the side5 mm at the side5 mm at the side6 mm at the side5 mm at the side6 mm at the side6 mm at the side6 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm		
upwards10 mm downwards10 mm at the side0 mm• for grounded parts0 mm forwards10 mm upwards10 mm at the side6 mm at the side6 mm downwards10 mm forwards10 mm forwards10 mm downwards10 mm forwards10 mm forwards10 mm upwards10 mm at the side6 mm downwards10 mm at the side6 mm at the side6 mm at the side6 mm at the side5 mm at the side5 mm at the side6 mm at the side6 mm at the side5 mm at the side6 mm at the side6 mm at the side5 mm at the side6 mm at the side6 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm		
- downwards     10 mm       - at the side     0 mm       • for grounded parts     0 mm       - forwards     10 mm       - upwards     10 mm       - at the side     6 mm       - downwards     10 mm       - downwards     10 mm       - for live parts     6 mm       - forwards     10 mm       - forwards     10 mm       - downwards     10 mm       - forwards     10 mm       - at the side     6 mm       - forwards     10 mm       - at the side     6 mm       - downwards     10 mm       - at the side     6 mm       - at the side     6 mm       - at the side     6 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm		
at the side0 mm• for grounded parts10 mm forwards10 mm upwards0 mm at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm at the side6 mm forwards10 mm at the side6 mm at the side5 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm		
<ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>upwards</li> <li>mm</li> <li>at the side</li> <li>downwards</li> <li>0 mm</li> <li>downwards</li> <li>10 mm</li> <li>for live parts</li> <li>for wards</li> <li>mm</li> <li>upwards</li> <li>0 mm</li> <li>mm</li> <li>in upwards</li> <li>0 mm</li> <li>in upwards</li> <li>0 mm</li> <li>mm</li> <li>methyda</li> <li>mm</li> <li>methyda</li> <li>mm</li> <li>methyda</li> <li>mm</li> <li>mm</li></ul>	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		
- forwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         • for live parts       -         - forwards       10 mm         - forwards       10 mm         - forwards       10 mm         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       6 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm 10 mm 10 mm		
upwards10 mm at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm upwards10 mm at the side6 mmConnections/ Terminals6 mm• for main current circuitspring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm 10 mm 10 mm		
- at the side       6 mm         - downwards       10 mm         • for live parts       10 mm         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       6 mm	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm 10 mm 0 mm		
downwards10 mm• for live parts10 mm forwards10 mm upwards10 mm downwards10 mm at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
• for live parts         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - at the side         6 mm             Connections/ Terminals           type of electrical connection         spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at upwards — at upwards — oforwards — at upwards — upwards — upwards — upwards — upwards — upwards — upwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
forwards     10 mm       upwards     10 mm       downwards     10 mm       at the side     6 mm         Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • at the side	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
upwards     10 mm       downwards     10 mm       at the side     6 mm         Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side — downwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • downwards — at the side — downwards — for live parts	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
— at the side     6 mm       Connections/ Terminals       type of electrical connection       • for main current circuit     spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — oforwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — forwards — at the side — forwards — at the side — forwards — at the side — forwards — at the side — for upwards — at the side — for upwards — for upwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		
Connections/ Terminals         type of electrical connection         • for main current circuit       spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — oforwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for wards — at the side — forwards — at the side — forwards — at the side — forwards — upwards — for live parts — forwards — upwards — upwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
type of electrical connection       spring-loaded terminals         • for main current circuit       spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — at the side — downwards • at the side — forwards — at the side — forwards — at the side — forwards — at the side — downwards • for live parts — forwards — upwards — downwards • for wards — downwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		
for main current circuit     spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — a the side — downwards — a the side — downwards — a the side — downwards • for live parts — forwards • for live parts — forwards — upwards — upwards — downwards — a the side — downwards — a the side	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		
1 0	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		
tor auxiliary and control circuit     spring-loaded terminals	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards • for live parts — forwards • for live parts — forwards • downwards • for live parts — at the side — downwards • at the side — downwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		
	required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for lowards — at the side — downwards • for live parts — forwards • for live parts — forwards • downwards • for live parts — forwards — at the side — downwards • for live parts — at the side — downwards — at the side — the side — the side — the side — the side	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm 10 mm		

	for auxiliary contacts		Spring-type terminal		
of magnet contracted		formain	Spring-type terminal	S	
contacts	e conductor cross-sections	s for main			
solid			2x (1 10 mm²)		
<ul> <li>solid or strai</li> </ul>	nded		2x (1 10 mm <sup>2</sup> )		
	ed with core end processir	ng	2x (1 6 mm²)		
-	ed without core end proces	-	2x (1 6 mm <sup>2</sup> )		
-	ductor cross-section for	-			
<ul> <li>solid</li> </ul>			1 10 mm²		
<ul> <li>stranded</li> </ul>			1 10 mm²		
<ul> <li>finely strand</li> </ul>	ed with core end processir	ng	1 6 mm²		
<ul> <li>finely strand</li> </ul>	ed without core end proces	ssing	1 6 mm²		
connectable con contacts	ductor cross-section for	auxiliary			
<ul> <li>solid or strai</li> </ul>	nded		0.5 2.5 mm <sup>2</sup>		
<ul> <li>finely strand</li> </ul>	ed with core end processir	ng	0.5 1.5 mm²		
<ul> <li>finely strand</li> </ul>	ed without core end proces	ssing	0.5 2.5 mm <sup>2</sup>		
	ble conductor cross-sect	ions			
<ul> <li>for auxiliary</li> </ul>	contacts				
— solid or	stranded		2x (0.5 2.5 mm <sup>2</sup> )		
	tranded with core end proc	•	2x (0.5 1.5 mm <sup>2</sup> )		
— finely s	tranded without core end p	rocessing	2x (0.5 2.5 mm <sup>2</sup> )		
<ul> <li>at AWG cab</li> </ul>	les for auxiliary contacts		2x (20 14)		
AWG number as section	coded connectable cond	uctor cross			
<ul> <li>for main con</li> </ul>	itacts		18 8		
<ul> <li>for auxiliary</li> </ul>	contacts		20 14		
Safety related data	1				
product function					
•	ct according to IEC 60947-	4-1	Yes		
	h demand rate according t		450 000		
proportion of dar	-				
	nand rate according to SN	31920	40 %		
	mand rate according to SN		73 %		
-	ith low demand rate accord		100 FIT		
T1 value for proof IEC 61508	test interval or service life	according to	20 a		
protection class 60529	IP on the front according	to IEC	IP20		
touch protection	on the front according to	IEC 60529	finger-safe, for vertic	al contact from the front	
suitability for use	9				
<ul> <li>safety-relate</li> </ul>	ed switching OFF		Yes		
Certificates/ appro	vals				
General Product					
	Confirmation	(m)	Ē	KC	rnr
		<u>m</u>	জ		tHL
C24			UL		
	Eugetione!				
EMC	Functional Safety/Safety of Machinery	Declaration of	of Conformity	Test Certificates	
<b>A</b>	Type Examination	~ ~		Type Test Certific-	Special Test Certific-
<u>/\/</u>	<u>Certificate</u>	して		ates/Test Report	ate
RCM		EG-Konf.			
1.14				-	



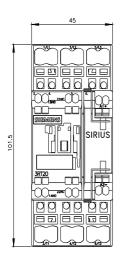
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2027-2NF30&lang=en

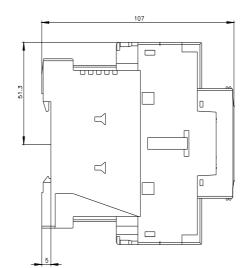
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

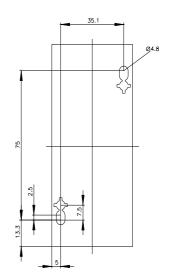
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2NF30/char

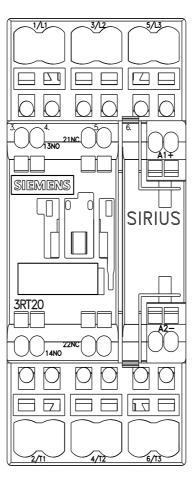
Further characteristics (e.g. electrical endurance, switching frequency)

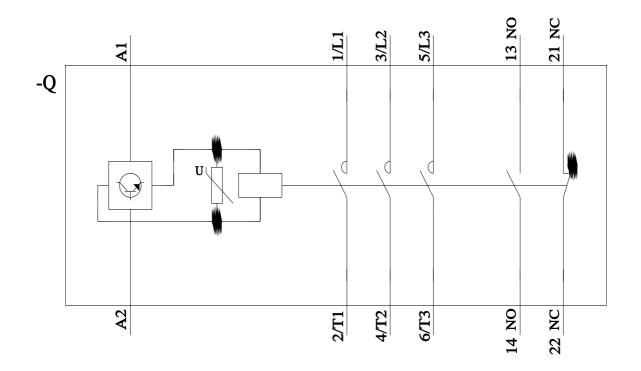
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2NF30&objecttype=14&gridview=view1











last modified:

2/10/2023 🖸