## **SIEMENS**

Data sheet 3RT2047-1AP00



power contactor, AC-3e/AC-3, 110 A, 55 kW / 400 V, 3-pole, 230 V AC, 50 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S3  $\,$ 

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S3
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>	23.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	7.9 W
<ul> <li>without load current share typical</li> </ul>	7.3 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
• of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	10.3g / 5 ms, 6,.g / 10 ms
shock resistance with sine pulse	
• at AC	16.3g / 5 ms, 10.g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	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)	03/01/2017
Weight	1.718 kg
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 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	405 kg
global warming potential [CO2 eq] during manufacturing	7.66 kg
global warming potential [CO2 eq] during operation	399 kg
global warming potential [CO2 eq] after end of life	-1.19 kg
Main circuit	1.10 Ng
number of poles for main current circuit	3
number of NO contacts for main contacts	3
	3
operating voltage	1 000 V
at AC-3 rated value maximum     at AC-3 rated value maximum	
at AC-3e rated value maximum	1 000 V
operational current	400 A
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> </ul>	130 A
— up to 690 V at ambient temperature 40 °C rated value	130 A
— up to 690 V at ambient temperature 60 °C rated value	110 A
• at AC-3	
— at 400 V rated value	110 A
— at 500 V rated value	110 A
— at 690 V rated value	98 A
— at 1000 V rated value	30 A
• at AC-3e	
— at 400 V rated value	110 A
— at 500 V rated value	110 A
— at 690 V rated value	98 A
— at 1000 V rated value	30 A
• at AC-4 at 400 V rated value	97 A
• at AC-5a up to 690 V rated value	120 A
• at AC-5b up to 400 V rated value	110 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	98 A
— up to 400 V for current peak value n=20 rated value	98 A
— up to 500 V for current peak value n=20 rated value	98 A
— up to 690 V for current peak value n=20 rated value	98 A
at AC-6a	
— up to 230 V for current peak value n=30 rated value	65.3 A
— up to 400 V for current peak value n=30 rated value	65.3 A
— up to 500 V for current peak value n=30 rated value	65.3 A
— up to 690 V for current peak value n=30 rated value	65.3 A
minimum cross-section in main circuit at maximum AC-1 rated	50 mm²
value operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	46 A
at 400 V rated value     at 690 V rated value	36 A
	30 A
operational current	
• at 1 current path at DC-1	100 A
— at 24 V rated value	60 A
— at 60 V rated value	
— at 110 V rated value	9 A
— at 220 V rated value	2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.4 A
with 2 current paths in series at DC-1	400 A
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	10 A

— at 440 V rated value	1.8 A
— at 600 V rated value	1A
with 3 current paths in series at DC-1	
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	80 A
— at 440 V rated value	4.5 A
— at 600 V rated value	2.6 A
• at 1 current path at DC-3 at DC-5	2.071
— at 24 V rated value	40 A
— at 60 V rated value	6 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.15 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	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	7 A
— at 440 V rated value	0.42 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	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	35 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.35 A
operating power	
• at AC-2 at 400 V rated value	55 kW
• at AC-3	
— at 230 V rated value	30 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	90 kW
— at 1000 V rated value	37 kW
• at AC-3e	
— at 230 V rated value	30 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	90 kW
— at 1000 V rated value	37 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	24.3 kW
at 690 V rated value	32.9 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	39 kVA
• up to 400 V for current peak value n=20 rated value	67 kVA
• up to 500 V for current peak value n=20 rated value	84 kVA
• up to 690 V for current peak value n=20 rated value	117 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	26 kVA
• up to 400 V for current peak value n=30 rated value	45.2 kVA
• up to 500 V for current peak value n=30 rated value	56.5 kVA
• up to 690 V for current peak value n=30 rated value	78 kVA
short-time withstand current in cold operating state up to	
40 °C	4 000 A-11-2 minimum
limited to 1 s switching at zero current maximum	1 960 A; Use minimum cross-section acc. to AC-1 rated value

the trade of the control of the cont	4.500 A. U
limited to 5 s switching at zero current maximum	1 502 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	1 095 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	707 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	562 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	900 1/h
• at AC-2 maximum	350 1/h
• at AC-3 maximum	850 1/h
• at AC-3e maximum	850 1/h
at AC-4 maximum	200 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	230 V
operating range factor control supply voltage rated value of	
magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	296 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.61
apparent holding power of magnet coil at AC	
● at 50 Hz	19 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.38
closing delay	
• at AC	13 50 ms
opening delay	
• at AC	10 21 ms
arcing time	10 20 ms
arcing time control version of the switch operating mechanism	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit	17.11.22.111
arcing time control version of the switch operating mechanism	17.11.22.111
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous	Standard A1 - A2
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous	Standard A1 - A2
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact	Standard A1 - A2  1 1
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum	Standard A1 - A2  1 1
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15	Standard A1 - A2  1  1  10 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value	Standard A1 - A2  1  1  10 A  6 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value	Standard A1 - A2  1  1  10 A  6 A 3 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  3 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  6 A  6 A  2 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  6 A  1 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  6 A  1 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  6 A  7 A  8 A  9 A  1 A  1 A  1 A  1 A  1 A  1 A
arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 690 V rated value  • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  7 A  10 A  10 A  10 A  10 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 24 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  3 A  2 A  1 A  0.15 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  7 A  10 A  10 A  10 A  10 A  2 A  1 A  10 A  2 A  1 A  10 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  3 A  2 A  1 A  0.15 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 125 V rated value • at 110 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  6 A  6 A  6 A  7 A  8 A  9 A  1 A  10 A
arcing time control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 690 V rated value  • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 600 V rated value • at 148 V rated value • at 148 V rated value • at 149 V rated value • at 140 V rated value • at 125 V rated value	Standard A1 - A2  1  1  10 A  6 A  3 A  2 A  1 A  10 A  6 A  3 A  2 A  1 A  0.15 A  10 A  2 A  2 A  1 A  0.9 A  0.3 A

tull-oad current (FLA) for 3-phase AC motor  • at 480 V rated value • at 800 V rated value 99 A  yielded mechanical performance (tpl) • for single-phase AC motor — at 110/120 V rated value 99 A  10 hp 10 for single-phase AC motor — at 200/008 V rated value • for 3-phase AC motor — at 200/008 V rated value • at 200/008 V rated value — at 270/000 V rated value — at 575/000 V rated value  • for short-circuit protection of the main circuit — with type of coordinator 1 required solves of the suliar value protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for grounded pachs — for grounded pachs — for grounded pachs — for wall and pack at the side — downwards — 10 mm — for walliary contacts — upwards — 10 mm — for manifer the side — downwards — 10 mm — for manifer the side — downwards — 10 mm — for manifer the side — downwards — 10 mm — for manifer the side — downwards — 10 mm — for manifer the si			JL/CSA ratings
al 480 V rated value al 600 V rated value yielded mechanical performance [hp]  of or single-phase AC motor — at 1101/20 V rated value — at 200 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 200/209 V rated value — at 400/408 V rated value — at 400/408 V rated value — at 400/408 V rated value — at 575/800 V rated value — at 675/800 V rated value — at 75/800 V rated value — with 190 of soordination of the main circuit — with 190 of soordination of the auxiliary switch required installation of mounting of dimensions  with 190 of soordination of the auxiliary switch required fastening method side-by-side mounting  fastening method side-by-side mounting  fastening method side-by-side mounting  with 100 mm — soordination of 100 mm — soordination of 100 mm — downwards — upwards — upwards — upwards — upwards — of moverards — of mover			
• at 600 V rated value   99 A		9	
• for single-phase AC motor     — at 1101/20 V rated value     — at 230 V rated value     • for 3-phase AC motor     — at 200/208 V rated value     — at 200/230 V rated value     — at 200/250 V rated value     — at 575600 V rated value     — at 5756000 V rated value     — at 57560000 V rated value     — at 5756000 V rated value     — at 57		9	at 600 V rated value
• for single-phase AC motor     — at 1101/20 V rated value     — at 230 V rated value     • for 3-phase AC motor     — at 2200/230 V rated value     — at 2200/230 V rated value     — at 2200/230 V rated value     — at 260/480 V rated value     — at 460/480 V rated value     — at 75/600 V rated value     — at 75/600 V rated value     — at 75/600 V rated value     — at 60/480 V rated value     — at 60/480 V rated value     — at 67/600 V rated value     — at 67/600 V rated value     — at 60/480 V rated value     — at 67/600 V rated value     Order trating of auxiliary contacts according to UL     A600 / P600  Stort-circuit protection  design of the miniature circuit breaker for short-circuit protection of the main circuit     — with type of coordination 1 required     • for short-circuit protection of the main circuit     — with type of coordination 1 required     • for short-circuit protection of the auxiliary switch required     Installation/ mounting/ dimensions  mounting position  #/L80" rotation possible on vertical mounting surface; can be 81ted forw backward by ++ 22.8" on vertical mounting surface  fastening method side-by-side mounting  #/L80" rotation possible on vertical mounting surface			
- at 1101120 V rated value - at 230 V p - at 230 V arted value - 20 hp - at 230 V 27 strated value - at 200/208 V rated value - 41 200/208 V rated value - 41 400/400 V rated value - 40 hp - 41 575/600 V rated value			
of or 3-phase AC motor		1	<b>.</b>
• for 3-phase AC motor  — at 200208 V rated value — at 460480 V rated value — at 60460 V rated value — at 675600 V rated value — at 575600 V rated value — of the 3 ministure circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  design of the ministure circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  design 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 Installation/mounting/dimensions  mounting position  fastening method side-by-side mounting  • vith side-by-side mounting  • vith side-by-side mounting  • vith side-by-side mounting  • for grounded parts — forwards — upwards — upwards — downwards — of mm  • for grounded parts — forwards — ownwards —			
- at 200/208 V rated value - at 220/230 V rated value - at 240/230 V rated value - 275 hp - 200 Pm - 2			
- at 220/230 V rated value - at 460/480 V rated value 75 hp 100 hp  contact rating of auxiliary contacts according to UL 8600 / P800  Short-circuit protection design of the ministure circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V design of the finitiature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V design of the finitiature circuit protection of the auxiliary circuit up to 230 V design of the five link		3	•
- at 450/480 V rated value			
- at 575/600 V rated value  contact rating of auxiliary contacts according to UL  A600 / P600  design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  design 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  • for short-circuit protection of the auxiliary switch required  fastening method side-by-side mounting  fastening method side-by-side mounting  fastening method  height  • with side-by-side mounting  • with side-by-side mounting  - forwards  — downwards — downwards — of orwards — at the side — downwards — of orwards — of orwards — upwards — at the side — downwards — othowards — othoward			
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the auxiliary circuit up to 230 V  design 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  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for grounded side-by-side mounting  • for manufaction mounting  • for manufaction mounting  • with side-by-side mounting  • for grounded parts  • for grounded parts  • for grounded parts  • for grounded parts  • for live parts  • for live parts  • for wards  • of mignate circuit protection  • for main the side  • for grounded parts  • for wards  • for grounded parts  • for wards  • for grounded parts  • for wards  • for grounded parts  • for live parts  • for live parts  • for wards  • for grounded parts  • for live parts  • for wards  • for grounded parts			
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  design 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 installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5° on vertical mounting surface; can be titled forw backward by 47-22,5°			
design of the miniature circuit breaker for short-circuit protection of the auxillary circuit up to 230 V design 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  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (4 kA)  AkA)  96: 10 A (500 V, 1 kA)  ***  **Forwards or a vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical mounting surface; can be tilted forwackward by **f-22.5" on vertical		^	
design 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  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180* rotation possible on vertical mounting surface; can be tilted forwackward by +/-22.5° on vertical mounting surface; can be tilted forwackward by +/-22.5° on vertical mounting surface; can be tilted forwackward by +/-22.5° on vertical mounting surface; can be tilted forwackward by +/-22.5° on vertical mounting surface; can be tilted forwackward by +/-22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwackward by -/22.5° on vertical mounting surface; can be tilted forwards and part on mounting onto 35 mm DIN rail according to DIN EN height by -/22.5° on vertical mounting surface; can be tilted forwards and part on mounting onto 35 mm DIN rail according to DIN EN height by -/22.5° on vertical mounting surface; can be tilted forwards and part on mounting onto 35 mm DIN rail according to DIN EN height by -/22.5° on vertical mounting surface; can be tilted forwards and part on mounting onto 35 mm DIN rail according to DIN EN height by -/22.5° on vertical mounting surface; can be tilted forwards and part on mounting surface; can be tilted forwards and part on mounting surface; can be tilted forwards and part on mounting surface; can be tilted forwards and part on mounting surface; can be tilted forwards and part on mounting surface;	A; 0.4 kA	n C	
For short-circuit protection of the main circuit   — with type of coordination 1 required   gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (4 kA)     For short-circuit protection of the auxiliary switch required   gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (4 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)     For stort short-circuit protection of the auxiliary switch required   gG: 20 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), a			
- with type of coordination 1 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mo			
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position			<ul> <li>for short-circuit protection of the main circuit</li> </ul>
• for short-circuit protection of the auxiliary switch required  Installation mounting dimensions  #/-180° rotation possible on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on v	100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80		<ul> <li>— with type of coordination 1 required</li> </ul>
Installation/ mounting/ dimensions  mounting position  #-/180° rotation possible on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on vertical mounting surface; can be tilted forw backward by +/- 22.5° on medical mounting surface; can be tilted forw	kA)		for short-circuit protection of the auxiliary switch required
hackward by +/- 22.5° on vertical mounting surface  fastening method side-by-side mounting  fastening method  height  vidth  fastening method  fastening method side-by-side mounting  fastening method  fastening method side-by-side mounting  fastening method side-by-side mounting  fastening method side-by-side mounting onto 35 mm DIN rail according to DIN EN  fastening method  fastening  fastening  fastening method  fastening  fastenin			· · · · · · · · · · · · · · · · · · ·
fastening method side-by-side mounting  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN height  identh 70 mm  depth 152 mm  required spacing  with side-by-side mounting  - forwards - upwards - upwards - at the side 0 mm  forgrounded parts - forwards - at the side 10 mm  - at the side 10 mm  - downwards 10 mm  for live parts - forwards - upwards 10 mm  - at the side 10 mm  - the side 10 mm  - the side 10 mm  - the side 10 mm  Connections/ Terminals  type of electrical connection  of or auxiliary contacts - of magnet coil  type of connectable conductor cross-sections			mounting position
fastening method    Secrew and snap-on mounting onto 35 mm DIN rail according to DIN EN height   Midth	.5° on vertical mounting surface		featuring mathed side by side magnetics
height 140 mm  width 70 mm  depth 152 mm  required spacing  • with side-by-side mounting  — forwards 20 mm — upwards 10 mm — downwards 10 mm  • for grounded parts — forwards 20 mm  — upwards 10 mm  • for grounded parts — at the side 10 mm — at the side 10 mm  — at the side 10 mm  — at the side 10 mm  — at the side 10 mm  — at the side 10 mm  — at the side 10 mm  — at the side 10 mm  • for live parts — forwards 20 mm  — upwards 10 mm  • for live parts — upwards 10 mm  — at the side 10 mm  — downwards 10 mm  — at the side 10 mm  — downwards 10 mm  — of or main current circuit 50 mm  — of remain current circuit 50 screw-type terminals • of re auxiliary and control circuit 50 screw-type terminals • of magnet coil 50 screw-type terminals	manusting anto 25 man DIN vail according to DIN EN CO745		·
width 70 mm  depth 152 mm  required spacing  with side-by-side mounting —forwards 20 mm — upwards 10 mm — at the side 0 mm  for grounded parts —forwards 20 mm — of wards 10 mm — at the side 10 mm  wind for live parts —forwards 20 mm — upwards 10 mm  for live parts —forwards 20 mm — upwards 10 mm  for live parts — for wards 10 mm  wind for live parts — for a upwards 10 mm  wind for live parts — of or any and a control circuit 50 crew-type terminals  type of electrical connection  of or auxiliary and control circuit 50 crew-type terminals  of magnet coil 50 crew-type terminals  of magnet coil 50 crew-type terminals  type of connectable conductor cross-sections	mounting onto 35 mm bits rail according to bits Ets 607 15		
depth     152 mm       required spacing       • with side-by-side mounting       — forwards     20 mm       — upwards     10 mm       — downwards     0 mm       • for grounded parts     20 mm       — forwards     20 mm       — upwards     10 mm       — at the side     10 mm       — downwards     10 mm       • for live parts     20 mm       — upwards     10 mm       — downwards     10 mm       — downwards     10 mm       — at the side     10 mm       Connections/ Terminals       type of electrical connection     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			•
required spacing  with side-by-side mounting  — forwards — upwards — downwards — at the side — for grounded parts — for wards — upwards — upwards — upwards — upwards — upwards — upwards — the side —			
with side-by-side mounting     — forwards		- 13	•
- forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm  • for grounded parts - forwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 20 mm - upwards 10 mm • for live parts - forwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 50 mm - for main current circuit 50 screw-type terminals 50 screw-typ			
- upwards 10 mm - downwards 10 mm - at the side 0 mm  • for grounded parts - forwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm • for live parts - forwards 20 mm - upwards 10 mm • for live parts - forwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 50 mm - Screw-type terminals - for auxiliary and control circuit 50 screw-type terminals - at contactor for auxiliary contacts 50 screw-type terminals - at contactor for auxiliary contacts 50 screw-type terminals - of magnet coil 50 screw-type terminals - of magnet coil 50 screw-type terminals			-
- at the side 0 mm  • for grounded parts  - forwards 20 mm  - upwards 10 mm  - at the side 10 mm  - downwards 10 mm  • for live parts  - forwards 20 mm  - upwards 10 mm  • for live parts  - forwards 20 mm  - upwards 10 mm  - ad wonwards 10 mm  - at the side 10 mm  - downwards 10 mm  - at the side 10 mm  - at the side 50 mm  - at the side 50 mm  • for main current circuit 50 screw-type terminals 50 screw-type te			ı .
for grounded parts         — forwards         — upwards         — at the side         — downwards         — for live parts         — forwards         — upwards         — upwards         — forwards         — upwards         — upwards         — upwards         — upwards         — at the side         — downwards         — at the side         — at the side  Connections/ Terminals  type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil  type of connectable conductor cross-sections   you mm  10 mm  2connections/ Terminals  screw-type terminals  screw-type terminals  screw-type terminals			
- forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm		0	
- upwards - at the side - downwards 10 mm - downwards 10 mm  • for live parts - forwards - upwards - upwards - downwards 10 mm - downwards 10 mm - at the side 10 mm  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections			
- at the side			
- downwards  • for live parts  - forwards  - upwards  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections			•
for live parts         — forwards         — upwards         — downwards         — at the side  Connections/ Terminals  type of electrical connection          • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil  type of connectable conductor cross-sections  e for live parts  20 mm  10 mm  commendment  10 mm  screw-type terminals  screw-type terminals  Screw-type terminals  Screw-type terminals  Screw-type terminals			
forwards 20 mm upwards 10 mm downwards 10 mm at the side 10 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 • of magnet coil Screw-type terminals  type of connectable conductor cross-sections		1	— downwards
- upwards 10 mm - downwards 10 mm - at the side 10 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 • of magnet coil Screw-type terminals  type of connectable conductor cross-sections			• for live parts
- downwards - at the side 10 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		2	— forwards
— at the side 10 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		1	— upwards
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		1/	— downwards
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		1	— at the side
• for main current circuit     • for auxiliary and control circuit     • at contactor for auxiliary contacts     • of magnet coil      type of connectable conductor cross-sections      screw-type terminals     Screw-type terminals     Screw-type terminals			onnections/ Terminals
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>Screw-type terminals</li> <li>Screw-type terminals</li> </ul>			type of electrical connection
<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>type of connectable conductor cross-sections</li> </ul>	ls	S	for main current circuit
• of magnet coil  Screw-type terminals  type of connectable conductor cross-sections	ls	S	<ul> <li>for auxiliary and control circuit</li> </ul>
type of connectable conductor cross-sections	ıls	S	<ul> <li>at contactor for auxiliary contacts</li> </ul>
	ıls	S	of magnet coil
e for main contacts			type of connectable conductor cross-sections
▼ IOI THAIRI CUITACIS			for main contacts
— finely stranded with core end processing 2x (2.5 35 mm²), 1x (2.5 50 mm²)	1x (2.5 50 mm²)	2	<ul> <li>finely stranded with core end processing</li> </ul>
• for AWG cables for main contacts 2x (10 1/0), 1x (10 2)	0 2)	2	<ul> <li>for AWG cables for main contacts</li> </ul>
connectable conductor cross-section for main contacts			connectable conductor cross-section for main contacts
• solid 2.5 16 mm²		2	• solid
• stranded 6 70 mm <sup>2</sup>		6	• stranded
• finely stranded with core end processing 2.5 50 mm²		2	<ul> <li>finely stranded with core end processing</li> </ul>
connectable conductor cross-section for auxiliary contacts		S	<u> </u>

a calid as atranded	0.5 2.5 mm²
solid or stranded     finally attached with case and processing.	0.5 2.5 mm²
finely stranded with core end processing  tune of connectable conductor gross sections	U.S 2.5 IIIII <sup>-</sup>
type of connectable conductor cross-sections	
for auxiliary contacts	0 (0 5 4 5 3) 0 (0 75 0 5 3)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
for main contacts	10 2
for auxiliary contacts	20 14
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
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

## **General Product Approval**









<u>KC</u>



EMV Test Certificates Maritime application



Type Test Certificates/Test Report

Special Test Certificate







Maritime application other Railway Dangerous goods







Confirmation

Special Test Certificate

Transport Information

Environment



Environmental Confirmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2047-1AP00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2047-1AP00

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

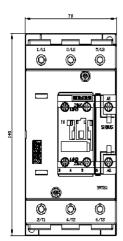
https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-1AP00

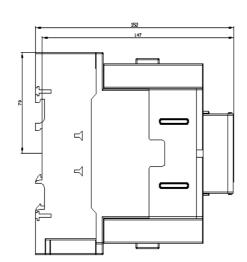
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2047-1AP00&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2047-1AP00&lang=en</a>

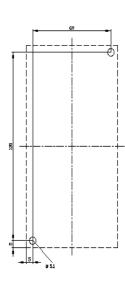
Characteristic: Tripping characteristics, I2t, Let-through current

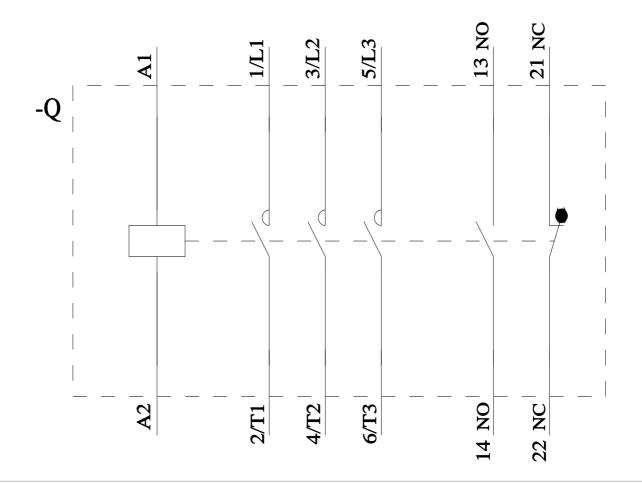
https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-1AP00/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2047-1AP00&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2047-1AP00&objecttype=14&gridview=view1</a>









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