SIEMENS

Data sheet 3RT2027-4AG60



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 100 V AC, 50 Hz / 100-110 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, ring cable lug connection, size: S0

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	6.3 W
 at AC in hot operating state per pole 	2.3 W
 without load current share typical 	2.7 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	
Weight	0.405 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	74.2 kg
Global Warming Potential [CO2 eq] during manufacturing	1.9 kg
Global Warming Potential [CO2 eq] during operation	72.4 kg
Global Warming Potential [CO2 eq] after end of life	-0.117 kg
Main circuit	o. Tri Ng
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	. •
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	50 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	50 A
— up to 690 V at ambient temperature 60 °C rated value	42 A
at AC-3 — at 400 V rated value	32 A
— at 400 V rated value — 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
• at AC-5a up to 690 V rated value	44 A
 at AC-5b up to 400 V rated value 	26.5 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	30.8 A
— up to 400 V for current peak value n=20 rated value	30.8 A
— up to 500 V for current peak value n=20 rated value	27 A
up to 690 V for current peak value n=20 rated valueat AC-6a	21 A
— up to 230 V for current peak value n=30 rated value	20.5 A
— up to 400 V for current peak value n=30 rated value	20.5 A
— up to 500 V for current peak value n=30 rated value	18 A
— up to 690 V for current peak value n=30 rated value	18 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current for approx. 200000 operating cycles at AC-4	40.4
at 400 V rated value at 600 V rated value	12 A
at 690 V rated value operational current	12 A
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A

with 3 current paths in series at DC-1	
— at 24 V rated value	35 A
— 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
— 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 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
• with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— 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	
• at AC-3	7.5.134
— at 230 V rated value	7.5 kW
— at 400 V rated value — at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
at AC-3e	10.0 KW
— 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	
at 400 V rated value	6 kW
• at 690 V rated value	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 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 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	
up to 230 V for current peak value n=30 rated value	8.1 kVA
up to 400 V for current peak value n=30 rated value	14.2 kVA
• up to 500 V for current peak value n=30 rated value	15.5 kVA
• up to 690 V for current peak value n=30 rated value	21.5 kVA
short-time with stand current in cold operating state up to 40 $^{\circ}\text{C}$	
 limited to 1 s switching at zero current maximum 	499 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	341 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	260 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	199 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	162 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	5 000 4/h
• at AC	5 000 1/h

operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
at AC-3 maximum	750 1/h
at AC-3e maximum	750 1/h
at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	100 V
at 60 Hz rated value	110 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	0.00 1.1
• at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power	
at minimum rated control supply voltage at AC	
— at 60 Hz	10.5 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	8.5 VA
apparent holding power of magnet coil at AC	
● at 50 Hz	10.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
● at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 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 instantaneous	1
contact	
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
• 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	
at 24 V rated value	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2.4
• at 220 V rated value	2 A
	1 A
at 600 V rated value	
at 600 V rated value operational current at DC-13	1 A
	1 A
operational current at DC-13	1 A 0.15 A

a 11 10 V rated value a 1220 V rated value a 1220 V rated value a 1220 V rated value a 10 3 A a 1220 V rated value b 10 3 A a 1220 V rated value contact retability of auxiliary contacts ULICSA ratings Tull-load current (FLA) for 3-phase AC motor a 14 00 V rated value a 10 00 V rated value b 10 A a 18 00 V rated value a 10 00 V rated value a 11 10 12 V rated value b 10 A a 12 20 V rated value b 10 A a 12 20 20 8 V rated value a 14 40 40 V rated value b 10 A a 12 20 20 8 V rated value b 10 A a 12 20 20 8 V rated value b 10 A		
• at 220 V rated value	at 110 V rated value	1 A
e. at 600 V rised value contact reliability of auxiliary centacts Tull-load current (FLA) for 3-phase AC motor	at 125 V rated value	0.9 A
Same and S	at 220 V rated value	0.3 A
full-load current (FLA) for 3-phase AC motor • all 480 Vicilet value • at 000 Vicilet value • at 1000 Vicilet value • at 1000 Vicilet value • at 250 Vicilet value • at 250 Vicilet value • at 250 Vicilet value • at 20000 Vicilet value • at 575600 Vicilet value • of short-circuit protection design of the fase link • for short-circuit protection of the main circuit • with type of assignment 2 required • with year of assignment 2 required • year of short-circuit protection of the auxiliary watch required Installation minuring dimensions mounting position fastening method • scow and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • Some **at the side • downwards • for man • upwards • of man • of man • of wards • of man • of man • of wards • of man • of or wards •	at 600 V rated value	0.1 A
Multi-old current (FLA) for 3-phase AC motor		1 faulty switching per 100 million (17 V, 1 mA)
and 480 V rated value	UL/CSA ratings	
• of a 600 V rated value 27 A	full-load current (FLA) for 3-phase AC motor	
yelded mechanical performance (hp) of or single-phase AC motor — at 101/120 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 675/600 V rated value — with type of condition of 1 required — with type of assignment 2 required — with type of assignment 3 required — with 1 required 3 required — with 1 required 3 required — with 1 required 3 required — screw and snap-on mounting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward an backward by + 2.25 for more tricking uniting surface; can be tilted forward and backward by + 2.25 for more tricking uniting surface; can be tilted forward and backward by + 2.25 for more tricking uniting surface; can be tilted forward and backward by + 2.25 for more tricking uniting surface; can be tilted forward and backward by + 2.25 for more tricking uniting surface; can	• at 480 V rated value	27 A
• for single-phase AC motor — at 110/120 V rated value 5 hp • for 3-phase AC motor — at 200/208 V rated value 10 hp — at 220/208 V rated value 20 hp — at 220/208 V rated value 20 hp — at 270/208 V rated value 20 hp — at 275/500 V rated value 20 hp — at 575/500 V rated value 20 hp — at 575/500 V rated value 22 hp — at 575/500 V rated value 25 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the flue link 4 for short-circuit protection of the main circuit — with type of coordination 1 required 90 for short-circuit protection of the auxiliary switch required 90 for short-circuit protection of the auxiliary switch required 90 for short-circuit protection of the auxiliary switch required 90 for short-circuit protection of the auxiliary switch required 90 for short-circuit protection of the auxiliary switch required 91 for short-circuit protection of the auxiliary switch required 92 for short-circuit protection of the auxiliary switch required 93 for short-circuit protection of the auxiliary switch required 95 for A (860V, 100kA), ant: 25A (690V, 100kA), BS88: 25A (415V, 80kA) 96 for short-circuit protection of the auxiliary switch required 96 for short-circuit protection of the auxiliary switch required 96 for short-circuit protection of the auxiliary switch required 96 for short-circuit protection of the auxiliary switch required 97 for station possible on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surface; can be tilted forward an backward by + 22.5° on vertical mounting surf	at 600 V rated value	27 A
	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/280 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 575/600 V rated value - with type of coordination of the main circuit - with type of coordination of the main circuit - with type of coordination of the main circuit - with type of seignment 2 required - for short-circuit protection of the main and circuit - with type of seignment 2 required - for short-circuit protection of the main and circuit - with type of coordination 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 main current circuit - for main current ci	 for single-phase AC motor 	
• for 3-phase AC motor — at 200280 V rated value — at 460480 V rated value — at 460480 V rated value — at 460480 V rated value — at 575600 V rated value — of for short-circuit protection of the main circuit — with type of coordination 1 required — of or short-circuit protection of the auxiliary switch required — of or short-circuit protection of the auxiliary switch required — of or short-circuit protection of the auxiliary switch required — of or short-circuit protection of the auxiliary switch required — of or short-circuit protection of the auxiliary switch required — of what required spacing — with type of coordination 1 required — at 520 cm 200	 — at 110/120 V rated value 	2 hp
- at 200208 V rated value - at 2207230 V rated value - 20 hp - at 2207230 V rated value - 20 hp - 25 h	— at 230 V rated value	5 hp
- at 220/230 V rated value - at 460/480 V rated value 20 hp - at 460/480 V rated value 25 hp - at 575/600 V rated value 30 contact rating of auxiliary contacts according to UL 500 V F000 Short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with side by-side mounting — forwards — formal current circuit — for auxiliary and control circuit — for main current circuit — for auxiliary and control circuit — for auxiliary part contact coording to IEC 60947-5-1 — suitable for safely function — very second assignment 2 required safety-related switching OFF — very second assignment 2 required such this product for safely function —	• for 3-phase AC motor	
- at 460480 V rated value 25 hp at 575/800 V rated value 25 hp contact rating of auxiliary contacts according to UL A600 / P600	— at 200/208 V rated value	10 hp
- at 575/600 V rated value 25 hp A500 / P800 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • 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 gG: 125A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), BS88: 125A (415V,80KA) gG: 50A (690V;100KA), aM: 50A (690V;100KA), aM: 50A (690V;100KA), aM: 50A (690V;100KA	 at 220/230 V rated value 	10 hp
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • with type of coordination 1 required • 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 mounting position #/-180* rotation possible on vertical mounting surface; can be tilted forward an backward by +½-22.5° on vertical mounting surface; can be tilted forward an sacy-on mounting onto 35 mm DIN rail according to DIN EN 60715 height #/-180* rotation possible on vertical mounting surface; can be tilted forward an sacy-on mounting onto 35 mm DIN rail according to DIN EN 60715 height #/-180* rotation possible on vertical mounting surface; can be tilted forward an sacy-on mounting onto 35 mm DIN rail according to DIN EN 60715 #/-180* rotation possible on vertical mounting surface; can be tilted forward an sacy-on mounting onto 35 mm DIN rail according to DIN EN 60715 #/-180* rotation possible on vertical mounting surface; can be tilted forward an sacy-on mounting onto 35 mm DIN rail according to DIN EN 60715 #/-180* rotation possible on vertical mounting surface; can be tilted forward an sacy-on mounting onto 35 mm DIN rail according to DIN EN 60715 #/-180* rotation possible on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface; can be tilted forward an sacy-on vertical mounting surface;	 at 460/480 V rated value 	20 hp
Short-circuit protection design of the fuse link	— at 575/600 V rated value	25 hp
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • 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 protection of the auxiliary switch required fastening method fastening method fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height strew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 ### A5 mm width ### A5 mm	contact rating of auxiliary contacts according to UL	A600 / P600
• for short-circuit protection of the main circuit — with type of coordination 1 required — 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 mounting position fastentiam menthod screw and snap-on mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an backward by +f-22.5° on vertical mounting surface; can be tilted forward an an an an an an an an an	Short-circuit protection	
- with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - for short-forciult protection of the auxiliary switch required installation/mounting/ dimensions mounting position #/-180° rotation possible on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface; can be tilted forward an backward by +/-22.5° on vertical mounting surface	design of the fuse link	
- with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required in statisticn of control control control of the auxiliary switch required installation/mounting/dimensions mounting position #/-180° rotation possible on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface. ##-180° rotation possible on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface. ##-180° rotation possible on vertical mounting surface. ##-180° rotation possible on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface. ##-180° rotation possible on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertical mounting surface; can be tilted forward an backward by +/- 22.5° on vertica	for short-circuit protection of the main circuit	
- with type of assignment 2 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 forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted for surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward an ackward by 4-/2.25" on vertical mounting surface, can be tilted forward and surface, can be tilted forward and surface, can be tilted forwar		gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V.80kA)
For short-circuit protection of the auxiliary switch required Instalation mounting dimensions 4/-180° rotation possible on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22.5° on vertical mounting surface; can be tilted forward an backward by -4/-22	*	
mounting position #-/-180* rotation possible on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 7/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted forward an backward by 4/- 22.5* on vertical mounting surface; can be tilted for mounting surface; can be tilted for mind according to DIN BN 60715. ### Command of the formal surface of the formal part and surface; can be tilted for a surface; can be tilted for surface; can be tilted for and surface; can be tilted for surface; can be ti		
mounting position #-I-180" rotation possible on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an backward by #-I-22.5" on vertical mounting surface; can be tilted forward an accordance on the sufficient mounting surface; can be tilted forward an accordance on the sufficient mounting surface; can be tilted for surface; can be tilted forward and sackward by #-I-22.5" on vertical mounting surface; can be tilted for surface; can be tilted forward and sackward by #-I-22.5" on vertical mounting surface; can be tilted for surface; can be tilted forward and surface;		go. 1011 (1000 1, 1111 y
fastening method screw and snap-on mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 85 mm width 45 mm depth 97 mm required spacing • with side-by-side mounting - forwards 10 mm - downwards 10 mm - at the side 0 mm - at the side 0 mm - at the side 6 mm - forwards 10 mm - at the side 6 mm - convards 10 mm - for live parts 10 mm - at the side 6 mm - convards 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 7 mm - at the side 9 mm - a		+/-180° rotation possible on vertical mounting surface: can be tilted forward and
height width	mounting pooliton	
width 45 mm depth 97 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 0 mm — of orgrounded parts — forgrounded parts — forwards 10 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — of or live parts — forwards 10 mm • for live parts — forwards 10 mm • for live parts — forwards 10 mm • for main current circuit Ring cable lug connection	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
depth 97 mm	height	85 mm
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — 10 mm • of or grounded parts — forwards — 10 mm — upwards — 10 mm — upwards — 10 mm — at the side — downwards — 10 mm • for live parts — for live parts — for wards — upwards — 10 mm • for live parts — forwards — 10 mm • for live parts — forwards — 10 mm • for live parts — forwards — 10 mm • for live parts — forwards — 10 mm • for man current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • suttable for safety function Yes suttablifty for use safety-related switching OFF Yes	width	45 mm
with side-by-side mounting — forwards — upwards — downwards — at the side of grounded parts — forwards — in forwards — upwards — forwards — upwards — upwards — upwards — at the side — downwards — upwards — at the side — downwards — of orwards — forwards — in forwards — forwards — downwards — upwards — upwards — upwards — upwards — upwards — upwards — downwards — downwards — downwards — of or auxiliary and control circuit — for auxiliary and control circuit — for auxiliary and control circuit — at contactor for auxiliary contacts — of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 — positively driven operation according to IEC 60947-5-1 — No — suitable for safety function — yes suitable for safety function — yes suitable for safety-related switching OFF Yes - yes - suitable for safety function — yes -	depth	97 mm
forwards	required spacing	
- upwards 10 mm 10	with side-by-side mounting	
- downwards - at the side 0 mm • for grounded parts - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm • for live parts - forwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • suitable for safety function • Yes suitable ity or use safety-related switching OFF Yes	— forwards	10 mm
- downwards - at the side of or grounded parts - forwards - upwards - upwards - downwards - downwards of for live parts - forwards - forwards - forwards - downwards - forwards - forwards - forwards - forwards - upwards - upwards - upwards - downwards - upwards - downwards - downwards - downwards - downwards - at the side - for main current circuit - for main current circuit - for main current circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil Safety related data product function - mirror contact according to IEC 60947-5-1 - positively driven operation according to IEC 60947-5-1 - suitable for safety function - suitable for safety function - suitable for safety function - Yes - suitable for safety function - Yes - suitable for safety function - Yes - suitable for safety related switching OFF - Yes - Yes - yes - Suitable for safety related switching OFF - Yes - Ye	— upwards	10 mm
- at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - forwards • for live parts - forwards - upwards - forwards - forwards - upwards - upwards - downwards 10 mm - upwards - downwards 10 mm - at the side - for main current circuit • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • suitable for safety function • yes suitablility for use safety-related switching OFF Yes		10 mm
• for grounded parts forwards upwards upwards at the side downwards of for live parts forwards forwards forwards upwards upwards upwards downwards downwards at the side downwards at the side for main current circuit for main current circuit for auxiliary and control circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitable for safety function suitable for safety function suitable for safety function yes		0 mm
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit Ring cable lug connection • for auxiliary and control circuit ring terminal lug connection • at contactor for auxiliary contacts Ring cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 No • suitable for safety function Yes suitablity for use safety-related switching OFF Yes	— at the side	
- upwards - at the side - downwards 10 mm • for live parts - forwards - upwards - upwards - upwards - downwards 10 mm - upwards - downwards - at the side -		C Tilli
- at the side - downwards 10 mm • for live parts - forwards - upwards - upwards - downwards - at the side - at the side Connections/ Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • suitability for use safety-related switching OFF 10 mm 10 mm	• for grounded parts	
- downwards • for live parts - forwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxilliary and control circuit • at contactor for auxilliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitability for use safety-related switching OFF Yes	• for grounded parts — forwards	10 mm
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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • suitable for safety function Safety-related switching OFF Yes suitability for use safety-related switching OFF Yes	for grounded partsforwardsupwards	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 Ring cable lug connection • for auxiliary and control circuit ring terminal lug connection • at contactor for auxiliary contacts Ring cable lug connection • of magnet coil Ring cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 No • suitable for safety function Yes suitability for use safety-related switching OFF Yes	 for grounded parts forwards upwards at the side 	10 mm 10 mm 6 mm
- 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function suitability for use safety-related switching OFF 10 mm	 for grounded parts forwards upwards at the side downwards 	10 mm 10 mm 6 mm
- 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitablility for use safety-related switching OFF Yes 10 mm 6 mm 6 mm Ring cable lug connection Ring cable lug connection Pyes No Yes Suitable for safety function Yes Suitablility for use safety-related switching OFF Yes	 for grounded parts forwards upwards at the side downwards for live parts 	10 mm 10 mm 6 mm 10 mm
— at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit Ring cable lug connection • at contactor for auxiliary and control circuit ring terminal lug connection • at magnet coil Ring cable lug connection Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 No • suitable for safety function Yes suitability for use safety-related switching OFF Yes	 for grounded parts forwards upwards at the side downwards for live parts forwards 	10 mm 10 mm 6 mm 10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitability for use safety-related switching OFF Ring cable lug connection Ring cable lug connection Ring cable lug connection Yes Yes Yes suitability for use safety-related switching OFF Yes	 for grounded parts forwards upwards at the side downwards for live parts forwards upwards 	10 mm 10 mm 6 mm 10 mm 10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function suitability for use safety-related switching OFF Ping cable lug connection Ring cable lug connection Ring cable lug connection Yes Yes Yes Yes	 for grounded parts forwards upwards at the side downwards for live parts forwards upwards downwards 	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm
• for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function suitability for use safety-related switching OFF Ping cable lug connection Ring cable lug connection Ping cable lug connection Yes Yes Yes Yes	 for grounded parts forwards upwards at the side downwards for live parts forwards upwards downwards at the side 	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm
• for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function suitability for use safety-related switching OFF ring terminal lug connection Ring cable lug connection Yes Yes Yes Yes	for grounded parts forwards upwards at the side downwards for live parts forwards upwards upwards at the side Connections/ Terminals	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm
 at contactor for auxiliary contacts of magnet coil Ring cable lug connection Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitable for safety function suitability for use safety-related switching OFF Ring cable lug connection Yes Yes Yes Yes	for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — at the side Connections/ Terminals type of electrical connection	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
of magnet coil Ring cable lug connection Safety related data product function omirror contact according to IEC 60947-4-1 opositively driven operation according to IEC 60947-5-1 osuitable for safety function suitability for use safety-related switching OFF Ring cable lug connection Yes Yes Yes	for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm
product function	for grounded parts — forwards — upwards — 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	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm Ring cable lug connection ring terminal lug connection
product function	for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitable for safety function suitability for use safety-related switching OFF Yes Yes	for grounded parts — forwards — upwards — 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	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection
 positively driven operation according to IEC 60947-5-1 suitable for safety function suitability for use safety-related switching OFF Yes 	for grounded parts — forwards — upwards — 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	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection
• suitable for safety function Yes suitability for use safety-related switching OFF Yes	for grounded parts — forwards — upwards — 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 Safety related data product function	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection
suitability for use safety-related switching OFF Yes	for grounded parts — forwards — upwards — 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 Safety related data product function	10 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection
	for grounded parts — forwards — upwards — 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 Safety related data product function • mirror contact according to IEC 60947-4-1	10 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection
service life maximum	for grounded parts — forwards — upwards — 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	10 mm 6 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection Ring cable lug connection Ring cable lug connection
SOLVING IIIGAIIIIGIII	for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function	10 mm 6 mm Ring cable lug connection ring terminal lug connection Ring cable lug connection Ring cable lug connection Yes No Yes

4-4	V
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	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	IP00
Approvals Certificates	

General Product Approval

Confirmation









<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping











Miscellaneous

other

other

Railway

Environment

Confirmation

Special Test Certificate



Environmental Confirmations

Further information

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=3RT2027-4AG60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-4AG60

 ${\bf Service \& Support \ (Manuals, Certificates, Characteristics, FAQs, ...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-4AG60

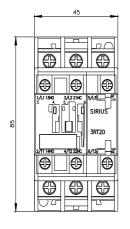
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

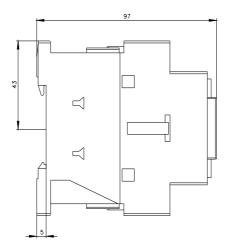
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2027-4AG60&lang=en

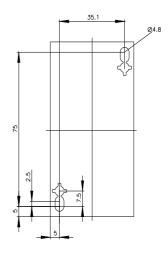
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-4AG60/c

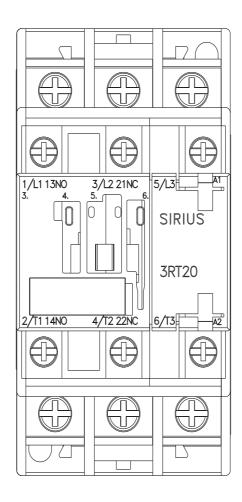
Further characteristics (e.g. electrical endurance, switching frequency)

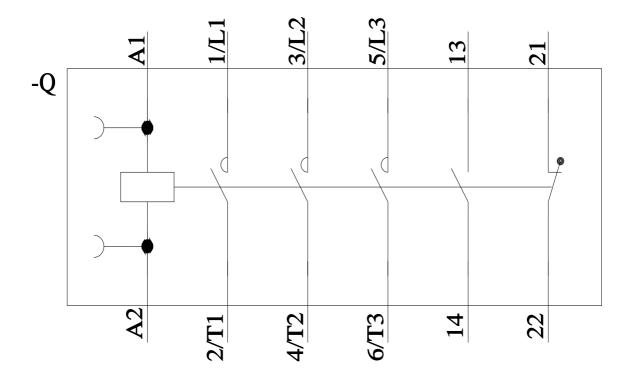
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-4AG60&objecttype=14&gridview=view1











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