SIEMENS

Data sheet

3RT2046-1NB34-3MA0



power contactor, AC-3e/AC-3, 95 A, 45 kW / 400 V, 3-pole, 20-33 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 2 NO + 2 NC, screw terminal, captive auxiliary switch

475			
product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data			
size of contactor	S3		
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 	19.8 W		
 at AC in hot operating state per pole 	6.6 W		
 without load current share typical 	3.5 W		
insulation voltage			
 of main circuit with degree of pollution 3 rated value 	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 safe isolation 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		
• at DC	6.7 g / 5 ms, 4g / 10 ms		
shock resistance with sine pulse			
• at AC	16.3g / 5 ms, 10.g / 10 ms		
● at DC	10.6 g / 5 ms, 6.3 g / 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)	03/01/2017		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
during operation	-25 +60 °C		
during storage	-55 +80 °C		
relative humidity minimum	10 %		
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %		

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
 at AC-3 rated value maximum 	1 000 V
 at AC-3e rated value maximum 	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C 	130 A
rated value	
• at AC-1	400 A
— up to 690 V at ambient temperature 40 °C rated value	130 A
— up to 690 V at ambient temperature 60 °C	110 A
rated value	
• at AC-3	
— at 400 V rated value	95 A
— at 500 V rated value	95 A
— at 690 V rated value	78 A
— at 1000 V rated value	30 A
• at AC-3e	
— at 400 V rated value	95 A
— at 500 V rated value	95 A
— at 690 V rated value	78 A
— at 1000 V rated value	30 A
• at AC-4 at 400 V rated value	80 A
 at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value 	114 A 95 A
 at AC-5b up to 400 V rated value at AC-6a 	95 A
 up to 230 V for current peak value n=20 rated value 	84.4 A
— up to 400 V for current peak value n=20 rated value	84.4 A
— up to 500 V for current peak value n=20 rated value	84.4 A
— up to 690 V for current peak value n=20 rated value	58 A
• at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	56.3 A
 — up to 400 V for current peak value n=30 rated value 	56.3 A
 — up to 500 V for current peak value n=30 rated value 	56.3 A
— up to 690 V for current peak value n=30 rated value	56.3 A
minimum cross-section in main circuit at maximum AC-1 rated value	50 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	42 A
• at 690 V rated value	30 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	100 A
— at 60 V rated value	60 A
— 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 — at 24 V rated value 	100 A
— at 24 v rated value — at 60 V rated value	100 A 100 A
— at 100 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	
— at 24 V rated value	40 A
— at 60 V rated value	6 A
— at 110 V rated value — at 220 V rated value	2.5 A 1 A
— at 440 V rated value	0.15 A
— at 600 V rated value	0.15 A 0.06 A
with 2 current paths in series at DC-3 at DC-5	0.00 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	7 A
— at 440 V rated value	0.42 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	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 	45 kW
• at AC-3	
— at 230 V rated value	22 kW
— at 400 V rated value	45 kW
— at 500 V rated value	55 kW
— at 690 V rated value — at 1000 V rated value	75 kW 37 kW
• at AC-3e	37 KVV
— at 230 V rated value	22 kW
— at 400 V rated value	45 kW
— at 500 V rated value	55 kW
— at 690 V rated value	75 kW
— at 1000 V rated value	37 kW
operating power for approx. 200000 operating cycles	
at AC-4	
 at 400 V rated value 	22 kW
• at 690 V rated value	27.4 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	33 kVA
• up to 400 V for current peak value n=20 rated value	58 kVA
• up to 500 V for current peak value n=20 rated value	73 kVA
• up to 690 V for current peak value n=20 rated value	69 kVA
 operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 	22.4 kVA
• up to 400 V for current peak value n=30 rated value	39 kVA
 up to 500 V for current peak value n=30 rated value 	48.7 kVA
 up to 600 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	67.3 kVA
short-time withstand current in cold operating state	01.0 1.07
up to 40 °C	
 limited to 1 s switching at zero current maximum 	1 725 A; I
 limited to 5 s switching at zero current maximum 	1 297 A; I
 limited to 10 s switching at zero current maximum 	946 A; Us
 limited to 30 s switching at zero current maximum 	610 A; Us
 limited to 60 s switching at zero current maximum 	486 A; Us

1 725 A; Use minimum cross-section acc. to AC-1 rated value 1 297 A; Use minimum cross-section acc. to AC-1 rated value 946 A; Use minimum cross-section acc. to AC-1 rated value 610 A; Use minimum cross-section acc. to AC-1 rated value 486 A; Use minimum cross-section acc. to AC-1 rated value

no-load switching frequency

-1.4.0	
• at AC	1 000 1/h
• at DC	1 000 1/h
 operating frequency at AC-1 maximum 	900 1/h
• at AC-2 maximum	350 1/h
• at AC-2 maximum • at AC-3 maximum	850 1/h
• at AC-3e maximum	850 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	200 1/11
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	Acide
at 50 Hz rated value	20 33 V
at 60 Hz rated value	20 33 V
control supply voltage at DC	20
rated value	20 33 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	6.5 A
duration of inrush current peak	50 µs
locked-rotor current mean value	3.2 A
locked-rotor current peak	6.5 A
duration of locked-rotor current	150 ms
holding current mean value	75 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	151 VA
• at 60 Hz	151 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	3.5 VA
• at 60 Hz	3.5 VA
closing power of magnet coil at DC	76 W
holding power of magnet coil at DC	2.7 W
closing delay	50 70
• at AC	50 70 ms
• at DC	50 70 ms
opening delay	20 E7 mg
● at AC ● at DC	38 57 ms 38 57 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
instantaneous contact	
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 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 A
 at 220 V rated value 	1 A

operational current at DC-13 Interview at 34 V (rited value 5.A at 46 V (rited value 2.A at 60 V (rited value 0.A at 71 10 V (rited value 0.A at 71 10 V (rited value 0.A at 71 20 V (rited value 0.A at 72 0V (rited value 0.A at 72 0V (rited value 0.A at 700 V (rited value 20 hp - at 100 (rited value 20 hp - at 100 (rited value 75 hp - at 100 (rited value 76 hp - at 100 (rited	 at 600 V rated value 	0.15 A			
• #48 V rated value 2 A • # 60 V rated value 1 A • # 120 V rated value 0 A • # 220 V rated value 0 3 A • # 200 V rated value 0 3 A • # 200 V rated value 0 3 A • # 200 V rated value 0 3 A • # 200 V rated value 0 3 A • # 450 V rated value 0 1 A • # 450 V rated value 0 A • # 450 V rated value 96 A • # 450 V rated value 96 A • # 450 V rated value 77 A yielded mechanical performance (hp) • • for single-phase AC motor 0 hp - m 110/120 V rated value 20 hp • for 3-phase AC motor 75 hp - m 420238 V rated value 75 hp - m 4575600 V rated value 75 hp - m 4575600 V rated value 75 hp - with type of coordination 1 meurised (45 V, 80 kA) (61 Sty 0 kDA) (62 O V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 200 A (15 V, 80 kA) (63 O V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 20 A (15 V, 80 kA) (63 O V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 20 A <	•	6 A			
• at 60 V rated value 2 A • at 125 V rated value 0.0 A • at 125 V rated value 0.3 A • at 600 V rated value 0.1 A • context relability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings 56 A full-dad current (FLA) for 3-phase AC motor 66 A • at 300 V rated value 96 A • at 300 V rated value 20 hp • for single-phase AC motor - - at 230 V rated value 20 hp • for single-phase AC motor - - at 230 V rated value 30 hp - at 230 V rated value 30 hp - at 230 V rated value 30 hp - at 55000 V rated value 75 hp - at 55000 V rated value 75 hp • for shote-charul protection of the main circuit - - with type of coordination 1 required yG: 250 A (800 V, 100 kA), akt 160 A (800 V, 100 kA), BS88: 200 A • for shote-charul protection of the main circuit - - with type of assignment 2 required yG: 160 A (800 V, 100 kA), akt 100 A (800 V, 100 kA), BS88: 125 A fulfication mounting yG: 160 A (800 V, 100 kA), akt 100 A (800 V, 100 kA), BS88: 125 A					
 a. 110 V rated value a. 110 V rated value a. 120 V rated value a. 30 V rated value a. 30 V rated value a. 30 V rated value a. 460 V rated value a. 470 V rated value b. 460 V rated value a. 470 V rated value b. 460 V rated value c. 475 Rp. 460 V rated value b. 460 V rated value c. 475 Rp. 460 V rated value b. 460 V rated value c. 475 Rp. 460 V rated value b. 460 V rated value c. 475 Rp. 460 V rated value b. 460 V rated value c. 475 Rp. 460 V rated value d. 460 V resolution of the main circuit - with type of assignment 2 required d. 415 V 80 K/I d. 415 V 80 K/I d. 415 V 80 K/I d. 416 V rated rate according to UL A60 V resolution required d. 415 V 80 K/I d. 415					
 et 125 V rated value 0.9 Å et 220 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) TUCSA ratius 1 faulty switching per 100 million (17 V, 1 mA) TUCSA ratius 6 A et 460 V rated value 77 Å yielded mechanical performance (hp) - of 10120 V rated value 77 Å yielded mechanical performance (hp) - of 10120 V rated value 20 rup - of 3 rups AC motor - of 10120 V rated value 20 rup - of 3 rups AC motor - of a rups AC motor - of rups A					
• at 200 / rated value 0.3 Å • at 600 / rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mÅ) ////////////////////////////////////					
• at 600 V rated value 0.1 Å 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings full-add current (FLA) for 3-phase AC motor • at 800 V rated value • at 800 V rated value 77 Å • joiled mechanical performance (pp) • (for single-phase AC motor • at 800 V rated value 20 hp • at 720230 V rated value 30 hp • at 220230 V rated value 75 hp • at 220230 V rated value 75 hp • at 220230 V rated value 75 hp • at 575600 V rated value 75 hp • at 575600 V rated value 75 hp • for short-circuit protection of the main circuit 95:250 Å (690 V, 100 kÅ), abl: 160 Å (690 V, 100 kÅ), BS88: 200 Å (415 V, 80 kÅ) • for short-circuit protection of the auxiliary switch required 96: 150 Å (690 V, 100 kÅ), abl: 100 Å (690 V, 100 kÅ), BS88: 125 Å (415 V, 80 kÅ) • with type of assignment 2 required 97:150 / (500 V, 100 kÅ), abl: 100 Å (690 V, 100 kÅ), BS88: 125 Å (415 V, 80 kÅ) • with type of assignment 2 required 97:150 / (500 V, 100 kÅ), abl: 100 Å (690 V, 100 kÅ), BS88: 125 Å (415 V, 80 kÅ) • or short-circuit protection of the auxiliary switch required 97:150 / (500 V, 100 kÅ), abl: 100 Å (690 V, 100 kÅ), BS88: 125 Å (415 V, 80					
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings 96 A e1 at 60 V rated value 96 A e1 at 60 V rated value 96 A - at 20 V rated value 96 A - or 110/120 V rated value 10 Np - or 22 V rated value 20 Np - or 22 V rated value 20 Np - or 4 200200 V rated value 30 Np - or 4 200200 V rated value 30 Np - or 4 200200 V rated value 30 Np - or 4 200200 V rated value 30 Np - or 4 200200 V rated value 75 Np - or 4 200200 V rated value 75 Np - or 4 50000 V rated value 75 Np - or 4 50000 V rated value 76 Np Poto- contact rating of auxiliary contacts according to UL A600 / P000 Stort-circuit protection of the auxiliary switch required rdf: Np No No No No, BS8: 200 A - for short-circuit protection of the auxiliary switch required rdf: Np No					
IUCSA ratings at 40 V rated value at 60 V rated value for single-phase AC motor					
full-load current (FLA) for 3-phase AC motor 96 A • at 800 V rated value 96 A • at 800 V rated value 96 A • of single-phase AC motor 96 A - at 100/120 V rated value 10 hp - at 200/200 V rated value 20 hp • for 3-phase AC motor 30 hp - at 200/200 V rated value 30 hp - at 200/200 V rated value 30 hp - at 200/200 V rated value 30 hp - at 400/480 V rated value 75 hp - at 400/480 V rated value 75 hp - at 57600 V rated value 75 hp - at 400/480 V rated value 75 hp - at 400/480 V rated value 75 hp - at 57600 V rated value 76 hp - with type of containtson 1 required g6: 150 A (690 V, 100 kA), akt: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) • for short-circuit protection of the auxiliary switch g6: 150 A (690 V, 100 kA), akt: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) • side-by-side mounting */-180 rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according		3 01 (7 7			
 et 480 V rated value 96 A et 480 V rated value 77 A yielded mechanical performance (hp) - of 10/120 V rated value 20 hp - of a 3Dase AC motor - at 200/208 V rated value 20 hp - of 320/208 V rated value 30 hp - at 200/208 V rated value 30 hp - at 460/480 V rated value 75 hp contact rating of auxiliary contacts according to UL A600 / P800 Short-circuit protection of the main circuit - or short-circuit protection of the auxiliary switch e for short-circuit protection of the auxiliary switch reguired g5: 160 A (660 V, 100 kA), abt: 160 A (690 V, 100 kA), B588: 125 A (415 V, 80 kA) e for short-circuit protection of the auxiliary switch reguired for short-circuit protection of the auxiliary switch reguired g5: 160 A (660 V, 100 kA), abt: 160 A (690 V, 100 kA), B588: 125 A (415 V, 80 kA) e side-by-side mounting +/-160" rotation possible on vertical mounting surface: can be tilted forward and backward by +/-22.5" on vertical mounting surface side-by-side mounting Ves height with side-by-side mounting - forwards 0 mm - downwards 10 mm - downwards 10 mm - downwards 0 mm -					
 at 600 V rated value for single-phase AC motor - at 110/120 V rated value 10 hp - at 230 V rated value 20 hp - for 3-phase AC motor - at 200/200 V rated value 30 hp - at 200/200 V rated value 30 hp - at 200/200 V rated value 30 hp - at 200/200 V rated value - at 200/200 V rated value - at 375/900 V rated value - at 375/900 V rated value - at 460/480 V rated value - at 450/480 V rated value - at 450/200 V rated value - at 450/200 V rated value - at 575/900 V rated value - with spe of coordination 1 required - Gr short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-dircuit protection of the auxiliary switch required - for short-dircuit protection of the auxiliary switch required - for short-dircuit protection auxiliary switch required - for short advalue auxiliary auxiliary switc		96 A			
yielded mechanical performance (hp) • for single-phase AC motor					
	5 1	10 hp			
• for 3-phase AC motor	— at 230 V rated value				
- at 200/208 V rated value 30 hp - at 420/400 V rated value 75 hp - at 575/000 V rated value 75 hp - at 200/208 V rated value 75 hp - at the side 0 mm - at the side 0 mm - at the side 10 m					
		30 hp			
contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection of the main circuit					
Short-circuit protection design of the fuse link 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 (415 V, 80 kA) for short-circuit protection of the auxiliary switch required gG: 160 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) for short-circuit protection of the auxiliary switch required mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forwards and backward by +/- 22.5° on vertical mounting surface; can be tilted forwards and backward by +/- 22.5° on vertical mounting surface; can be tilted forwards and backward by +/- 22.5° on vertical mounting surface; can be tilted forward; and backward by +/- 22.5° on mounting onto 3	contact rating of auxiliary contacts according to UL				
design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required g6: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) with type of assignment 2 required for short-circuit protection of the auxiliary switch required g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) g6: 100 A (690 V, 100 kA), aM: 100 kA, aM: 100 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), aM: 1					
for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required - Given 2 - Control of the auxiliary switch required - with type of assignment 2 required - Given 2 - Control of the auxiliary switch required - mounting position - for short-circuit protection of the auxiliary switch required - mounting position - fastening method - side-by-side mounting - side-by-side mounting - side-by-side mounting - forwards - forwards - forwards - downwards					
- with type of coordination 1 required gG: 250 A (680 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) - with type of assignment 2 required gG: 150 A (680 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; series and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm with side-by-side mounting Yes • with side-by-side mounting Yes nequired spacing - • with side-by-side mounting Yes • with side-by-side mounting Yes - forwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm					
(415 V, 80 kA) - with type of assignment 2 required (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) Installation/ mounting/ dimensions gG: 10 A (500 V, 10 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by +/- 22.5° on vertical mounting surface; can be tilled forwards and backward by the parts and the side and the		gG: 250 A (690 V. 100 kA), aM: 160 A (690 V. 100 kA), BS88: 200 A			
(415 V, 80 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm required spacing 20 mm • with side-by-side mounting 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm <td></td> <td></td>					
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/dimensions +/-180° rotation possible on vertical mounting surface; can be tilled forward and backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm required spacing - • width downds 10 mm - oforwards 20 mm - upwards 10 mm - at the side 0 mm • for grounded parts 20 mm - oforwards 10 mm - ownwards 10 mm - upwards 10 mm - at the side 0 mm • for wards 10 mm - upwards 10 mm - upwards 10 mm - otonwards 10 mm - otowards 10 mm <tr< td=""><td> — with type of assignment 2 required </td><td>gG: 160 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A</td></tr<>	 — with type of assignment 2 required 	gG: 160 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A			
Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm required spacing - • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 10 mm - forwards 20 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - forwards 20 mm - forwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm <td< td=""><td></td><td>(415 V, 80 kA)</td></td<>		(415 V, 80 kA)			
Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm required spacing • with side-by-side mounting 0 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 20 mm - forwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm		gG: 10 A (500 V, 1 kA)			
mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm required spacing • • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 0 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm					
fastening method forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN e side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm e with side-by-side mounting 20 mm - forwards 10 mm - upwards 10 mm - at the side 0 mm - for grounded parts 20 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - forwards 10 mm - at the side 10 mm - downwards 10 mm - at the side	•				
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 6 side-by-side mounting Yes height 140 mm width 70 mm depth 195 mm required spacing - - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 00 mm - at the side 00 mm - upwards 10 mm - downwards 10 mm - at the side 00 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - downwards	Installation/ mounting/ dimensions				
60715 • side-by-side mounting height 140 mm width 70 mm depth 195 mm required spacing • with side-by-side mounting 195 mm - upwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - upwards 10 mm - at the side 0 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - of the side 10 mm - ot the side 10 mm	Installation/ mounting/ dimensions	+/-180° rotation possible on vertical mounting surface; can be tilted			
height140 mmwidth70 mmdepth195 mmrequired spacing90 mm• with side-by-side mounting90 mm- forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- at the side0 mm- forwards10 mm- at the side0 mm- forwards10 mm- at the side10 mm- brain current circuitscrew-type terminals- for auxiliary and control circuitscrew-type terminals	Installation/ mounting/ dimensions mounting position	forward and backward by +/- 22.5° on vertical mounting surface			
height140 mmwidth70 mmdepth195 mmrequired spacing90 mm• with side-by-side mounting90 mm- forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- at the side0 mm- forwards10 mm- at the side0 mm- forwards10 mm- at the side10 mm- brain current circuitscrew-type terminals- for auxiliary and control circuitscrew-type terminals	Installation/ mounting/ dimensions mounting position	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN			
depth195 mmrequired spacingI• with side-by-side mounting forwards20 mm- upwards10 mm- downwards10 mm- downwards0 mm- at the side0 mm- for grounded parts forwards20 mm- upwards10 mm- at the side0 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side10 mm- forwards20 mm- downwards10 mm- forwards20 mm- downwards10 mm- forwards10 mm- formain current circuitscrew-type terminals- for auxiliary and control circuitscrew-type terminals	Installation/ mounting/ dimensions mounting position fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
required spacing - • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 20 mm - forwards 20 mm - upwards 10 mm - at the side 0 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - forwards 20 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm befor electrical connection screw-type terminals • for main current circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes			
with side-by-side mounting -forwards 20 mm -upwards 10 mm -downwards 10 mm -downwards 10 mm -at the side 0 mm -for grounded parts -forwards 20 mm -forwards 20 mm -forwards 20 mm -forwards 10 mm -at the side 10 mm -at the side 10 mm -upwards 10 mm -at the side 10 mm -at the side 10 mm -upwards 10 mm -at the side 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 10 mm -downwards -forwards	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm			
forwards20 mm upwards10 mm downwards10 mm at the side0 mm at the side0 mm for grounded parts20 mm forwards20 mm upwards10 mm at the side10 mm at the side10 mm at the side10 mm downwards10 mm forwards20 mm downwards10 mm forwards20 mm forwards10 mm forwards10 mm at the side10 mm	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm			
forwards20 mm upwards10 mm downwards10 mm at the side0 mm at the side0 mm for grounded parts20 mm forwards20 mm upwards10 mm at the side10 mm at the side10 mm at the side10 mm downwards10 mm forwards20 mm downwards10 mm forwards20 mm forwards10 mm forwards10 mm at the side10 mm	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm			
- downwards10 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- forwards10 mm- for live parts forwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- at the side10 mm	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm			
at the side0 mm• for grounded parts20 mm forwards20 mm upwards10 mm at the side10 mm downwards10 mm downwards0 mm• for live parts forwards20 mm upwards10 mm at the side10 mm at the side50 mm at the side10 mm at the side50 mm at the side <td< td=""><td>Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting</td><td>forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm</td></td<>	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm			
 for grounded parts forwards upwards at the side downwards for live parts for wards forwards at the side forwards forwards forwards for main current circuit for auxiliary and control circuit Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm			
- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm- for live parts20 mm- forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm- for numeration10 mm- at the side10 mm	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm			
upwards10 mm at the side10 mm downwards10 mm for live parts forwards20 mm upwards10 mm downwards10 mm at the side10 mm at the side10 mmConnections/ Terminals• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 10 mm			
at the side 10 mm downwards 10 mm • for live parts - forwards 20 mm upwards 10 mm upwards 10 mm downwards 10 mm at the side 10 mm for main current circuit screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 10 mm			
- downwards 10 mm • for live parts 20 mm - 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	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm			
 for live parts forwards forwards upwards downwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit screw-type terminals screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm			
forwards 20 mm upwards 10 mm downwards 10 mm at the side 10 mm at the side 10 mm Connections/ Terminals 10 mm type of electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — at the side	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 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	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side — downwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm			
downwards 10 mm at the side 10 mm Connections/ Terminals 10 mm type of electrical connection • for main current circuit • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — ownwards — at the side — ownwards — at the side — ownwards — for live parts	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm			
— at the side 10 mm Connections/ Terminals Image: Connection stype of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — oforwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — forwards — at the side — forwards — of rive parts — forwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 20 mm 20 mm			
Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — oforwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — forwards — at the side — forwards — upwards — for live parts — forwards — upwards • for live parts — forwards — upwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm			
type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • downwards — at the side — downwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — downwards • for live parts — forwards — upwards — downwards	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			
• for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side — downwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			
for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — oforwards — at the side • for live parts — forwards • for live parts — forwards • for live parts — forwards • for live parts — ownwards • at the side — downwards • for live parts — forwards — at the side — downwards — at the side — downwards — at the side	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			
	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for live parts — forwards • for live parts — forwards • for live parts — forwards — upwards — at the side • for live parts — forwards — at the side • for live parts — forwards — upwards — at the side — downwards — at the side — the side — the side — the side	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			
at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for lowards • for live parts — forwards • for live parts — forwards • for live parts — forwards • downwards • for live parts — forwards — at the side — downwards • for live parts — forwards — at the side — downwards • for live parts — forwards — at the side Connections/ Terminals type of electrical connection • for main current circuit	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			
	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — forwards — upwards — at the side — for munrent circuit • for auxiliary and control circuit	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			
of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — upwards — upwards — at the side — downwards — of nive parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 140 mm 70 mm 195 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			

type of connectable c contacts	conductor cross-sections	s for main				
	s nely stranded with core end processing		2x (2.5 35 mm²), 1x (2.5 50 mm²)			
-	ctor cross-section for	-		、 ,		
 solid 			2.5 16 mm²			
 stranded 			6 70 mm²			
	with core end processir	-	2.5 50 mm ²			
contacts	connectable conductor cross-section for auxiliary contacts					
 solid or strande 			0.5 2.5 mm ²			
-	with core end processir	-	0.5 2.5 mm ²			
	conductor cross-sect	lions				
 for auxiliary con — solid or str 			$2x (0.5 + 1.5 mm^2) 2x$	$(0.75 - 2.5 \text{ mm}^2)$		
	nded with core end proc	essina	2x (0.5 1.5 mm ²), 2x 2x (0.5 1.5 mm ²), 2x	· · · ·		
•	for auxiliary contacts	essing	2x (0.5 1.5 mm), 2x 2x (20 16), 2x (18			
	ded connectable cond	uctor cross	ZX (20 10), 2X (10	1-7)		
 for main contact 	cts		10 2			
 for auxiliary cor 	ntacts		20 14			
Safety related data						
product function						
•	according to IEC 60947-	-4-1	Yes			
	n operation according to		No			
B10 value with high demand rate according to SN 31920 proportion of dangerous failures		1 000 000				
	nd rate according to SN	31920	40 %			
	ind rate according to SN		73 %			
-	failure rate [FIT] with low demand rate according to SN		100 FIT			
T1 value for proof test interval or service life according to IEC 61508		20 a				
protection class IP on the front according to IEC 60529		IP20				
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front				
suitability for use						
 safety-related s 	0		No			
 safety-related s 	0		Yes			
Certificates/ approval	ls					
General Product Ap	oproval					
(D	(m)	Confirmatio	· •	<u>KC</u>	101	
			P		EHE	
CSA	ccc		UL			
EMC	Functional Safety/Safety of	Declaration o	of Conformity	Test Certificates	Marine / Shipping	
LING	Machinery	Declaration	, comorning	rest certificates	Marine / Shipping	
A	<u>Type Examination</u> <u>Certificate</u>		UK CA	<u>Special Test Certific-</u> ate		
అు	Certificate	CE	ΞÔ		1	
RCM		EG-Konf.	CH		ABS	
Marine / Shipping					other	











Railway

Dangerous Good

Vibration and Shock Transport

Transport Information

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=3RT2046-1NB34-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2046-1NB34-3MA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2046-1NB34-3MA0

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

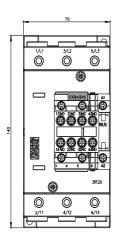
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2046-1NB34-3MA0&lang=en

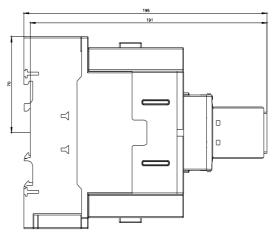
Characteristic: Tripping characteristics, I²t, Let-through current

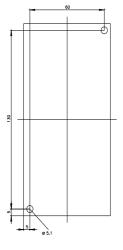
https://support.industry.siemens.com/cs/ww/en/ps/3RT2046-1NB34-3MA0/char

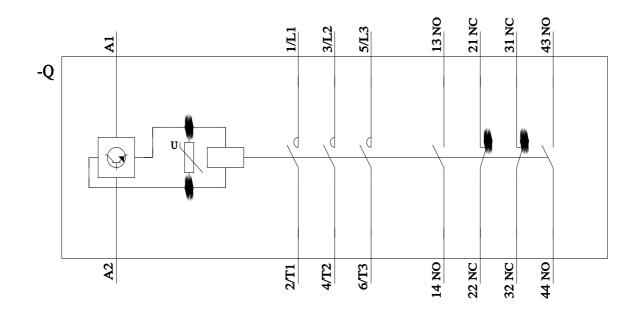
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2046-1NB34-3MA0&objecttype=14&gridview=view1









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2/10/2023 🖸