SIEMENS

Data sheet

3RT2047-3NP30



power contactor, AC-3e/AC-3, 110 A, 55 kW / 400 V, 3-pole, 175-280 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal

4/1	
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 	23.7 W
 at AC in hot operating state per pole 	7.9 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	110 A
— at 500 V rated value	110 A
— at 690 V rated value	98 A
— at 1000 V rated value	30 A
• at AC-3e	
— at 400 V rated value	110 A
— at 500 V rated value	110 A
— at 690 V rated value	98 A
— at 1000 V rated value	30 A
• at AC-4 at 400 V rated value	97 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	120 A 110 A
 at AC-5b up to 400 V rated value at AC-6a 	TIO A
up to 230 V for current peak value n=20 rated	98 A
value	
 — up to 400 V for current peak value n=20 rated value 	98 A
 — up to 500 V for current peak value n=20 rated value 	98 A
 — up to 690 V for current peak value n=20 rated value 	98 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	65.3 A
— up to 400 V for current peak value n=30 rated value	65.3 A
— up to 500 V for current peak value n=30 rated value	65.3 A
— up to 690 V for current peak value n=30 rated value	65.3 A
minimum cross-section in main circuit at maximum AC-1 rated value	50 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	46 A
 at 690 V rated value 	36 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 110 V rated value	100 A 100 A
— at 220 V rated value	10 A
— at 440 V rated value	1.8 A
— at 600 V rated value	1.8 4

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 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	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.15 A
— at 600 V rated value	0.06 A
 with 2 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	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	55 kW
• at AC-3	
— at 230 V rated value	30 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	90 kW
— at 1000 V rated value	37 kW
• at AC-3e	
— at 230 V rated value	30 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	90 kW
— at 1000 V rated value	37 kW
operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	24.3 kW
 at 690 V rated value 	32.9 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	39 kVA
 up to 400 V for current peak value n=20 rated value 	67 kVA
 up to 500 V for current peak value n=20 rated value 	84 kVA
 up to 690 V for current peak value n=20 rated value 	117 kVA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	26 kVA
 up to 400 V for current peak value n=30 rated value 	45.2 kVA
• up to 500 V for current peak value n=30 rated value	56.5 kVA
• up to 690 V for current peak value n=30 rated value	78 kVA
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	1 960 A; I
 limited to 5 s switching at zero current maximum 	1 502 A; I
 limited to 10 s switching at zero current maximum 	1 095 A; I
• limited to 30 s switching at zero current maximum	707 A; Us
 limited to 60 s switching at zero current maximum 	562 A; Us

1 960 A; Use minimum cross-section acc. to AC-1 rated value 1 502 A; Use minimum cross-section acc. to AC-1 rated value 1 095 A; Use minimum cross-section acc. to AC-1 rated value 707 A; Use minimum cross-section acc. to AC-1 rated value 562 A; Use minimum cross-section acc. to AC-1 rated value

• 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-3 maximum 	850 1/h
 at AC-3e maximum 	850 1/h
• at AC-4 maximum	200 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
 at 50 Hz rated value 	175 280 V
 at 60 Hz rated value 	175 280 V
control supply voltage at DC	
 rated value 	175 280 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	65 A
duration of inrush current peak	5 µs
locked-rotor current mean value	0.44 A
locked-rotor current peak	1.2 A
duration of locked-rotor current	150 ms
holding current mean value	10 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 57 mg
• at AC	38 57 ms
• at DC	38 57 ms 10 20 ms
arcing time control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
instantaneous contacts	
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	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

A dot V rate V rat	 at 600 V rated value 	0.15 A
		0.13 A
• 44 9V relativation 2 A • et 61 V relativation 2 A • et 61 V relativation 2 A • et 710 V relativation 2 A • et 710 V relativation 2 A • et 720 V relativation 2 A • et 720 V relativation 3 A • et 60 V relativation 1 faulty switching per 100 million (17 V. 1 mA) UDCEX rating 9 A • et 60 V relativation 9 A • et 61 A 40 V relativation 9 A • et 61 A 40 V relativation 9 A • et 61 A 40 V relativation 9 A • et 61 A 40 V relativation 9 A • et 61 A 40 V relativation 9 A • et 61 A 40 V relativation 9 A • et 61 A 40 V relativation 9 A		10.4
• at 60 V rated value 2.A • at 125 V rated value 0.9 A • at 250 V rated value 0.3 A • at 500 V rated value 0.1 A CutoSA rates 1 fauly switching per 100 million (17 V, 1 mA) UtOSA rates 1 fauly switching per 100 million (17 V, 1 mA) UtOSA rates 96 A • at 600 V rated value 96 A • at 600 V rated value 99 A • yieldod mochanical performance (hp)		
• at 110 V rated value 1 A • at 220 V rated value 0.3 A • at 200 V rated value 0.3 A • at 300 V rated value 0.3 A • at 300 V rated value 0.1 A • at 400 V rated value 0.1 A • at 400 V rated value 96 A • at 400 V rated value 99 A • of a single-phase AC motor 0 P • of a single-phase AC motor 0 P • of a 3-phase AC motor 0 P • of a 3-phase AC motor 20 Pp • of a 3-phase AC motor 20 Pp • at 600 V rated value 20 Pp • of a 3-phase AC motor 75 Pp - at 3000208 V rated value 75 Pp - at 4500480 V rated value 75 Pp • of a short-accult protection of the main circuit - with type of assignment 2 required • of a short-accult protection of the main circuit - with type of assignment 2 required • of a short-accult protection of the main circuit - with type of assignment 2 required • of a short-accult protection of the main circuit - with type of assignment 2 required • of a short-accult protection of the main circuit - with type of assignment 2 required		
 ai 129 V rated value 0.9 A ai 800 V rated value 0.1 A 1 600 V rated value 1 fully switching per 100 million (17 V, 1 mA) UDCSA ratios 1 fully switching per 100 million (17 V, 1 mA) UDCSA ratios 1 fully switching per 100 million (17 V, 1 mA) UDCSA ratios 6 A et 800 V rated value 99 A yields mochanical performance (hp) - of ratios a C motor - at 230 V rated value 90 A - at 230 V rated value 20 tpp - of a single-phase AC motor - at 230 V rated value 20 tpp - at 200220 V rated value 20 tpp - at 200220 V rated value 30 tpp - at 200220 V rated value 30 tpp - at 400480 V rated value 75 tpp - at 400480 V rated value 75 tpp - at 400480 V rated value 10 tpp - at 500 V rated value 10 tpp - at 500 V rated value 10 tpp - at 500 V rated value 10 tpp - at 400480 V rated value 10 tpp - at 400480 V rated value 10 tpp - at 500 V rated value - at 500 V rated va		
• at 20 V rated value 0.3 Å • at 800 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UCGSA ratings 9 Å • at 400 V rated value 99 Å • at 460 V rated value 99 Å • of a single-phase AC motor - • of a single-phase AC motor 0 hp		
• al 600 V rated value 0.1 A contact rolability of auxiliary contacts 1 faulty exitching per 100 million (17 V, 1 mA) UCIGSA rating 6 A • al 400 V rated value 99 A • or single-phase AC motor • 0 A •		
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULGSA ratings 96 A et af 400 V rated value 96 A et af 600 V rated value 99 A yielded mechanical performance [hp] 96 - or rating-phase AC motor 10 hp - at 200 V rated value 20 hp - of or 3-phase AC motor 96 A - at 200208 V rated value 20 hp - at 200208 V rated value 40 hp - at 200208 V rated value 40 hp - at 375/600 V rated value 75 hp - at 375/600 V rated value 75 hp Fort-forcut protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required (95: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 160 A • for short-circuit protection of the axiliary switch required (95: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 160 A • for short-circuit protection of the axiliary switch required (97: 90 A) • with type of assignment 2 required (97: 90 A) • for short-circuit protection of the axiliary switch required (97: 90 A) • for short-circuit protection of the axilia		
ULCSA ratings 96 A • at 480 V rated value 99 A • et at 00 V rated value 99 A • yieldom etchanical performance (hp) • for single-phase AC motor • - at 230 V rated value 20 hp • for single-phase AC motor 90 A • - at 230 V rated value 20 hp • for 3-phase AC motor		
full-load current (FLA) for 3-phase AC motor 96 A • at 800 V rated value 99 A vibided mechanical performance (hp) 99 A • for single-phase AC motor 10 hp - at 120V20V V rated value 20 hp • for 3-phase AC motor 30 np - at 320V20V V rated value 20 hp • at 320V20V V rated value 40 hp - at 320V20V V rated value 40 hp - at 320V20V V rated value 75 hp - at 357600V v rated value 76 hp - at 357600V v rated value 76 hp - at 4576600V rated value 76 hp - with type of coordination 1 required 47 500 h(300 kA), akl: 160 A (690 V, 100 kA), BS8: 200 A - with type of assignment 2 required 96 200 A (590 V, 100 kA), akl: 160 A (690 V, 100 kA), BS8: 160A required 96 A 96 A moutting position -/-180 'rotation possible on vertical mounting surface; can be tilted fistaning method -/-180 'rotation possible on vertical mounting surface; can be tilted with side-by-side mounting -/-180 'rotation possible on vertical mounting surface; can be tilted - onwards <td></td> <td>1 faulty switching per 100 million (17 V, 1 mA)</td>		1 faulty switching per 100 million (17 V, 1 mA)
	UL/CSA ratings	
• at 600 V rated value 99 A • for single-phase AC motor 0 hp - at 100/120 V rated value 20 hp • for 3-phase AC motor 0 - at 220/230 V rated value 20 hp • for 3-phase AC motor 0 - at 220/230 V rated value 30 hp - at 220/230 V rated value 40 hp - at 220/230 V rated value 40 hp - at 220/230 V rated value 40 hp - at 375/600 V rated value 75 hp • for short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the auxiliary switch required 95: 200 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS8: 160 A • for short-circuit protection of the auxiliary switch required - vit hype of assignment 2 required fastening method 50: 10 A (500 V, 1 kA) • side-by-side mounting - vitag • for short-circuit protection of the auxiliary switch 70 mm • onwards 10 mm • phyparited 10 mm • for ground parits - onwards • for onwards 10 mm	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance (hp) for single-phase AC motor — at 110/120 V rated value 20 hp for 3-phase AC motor — at 200/208 V rated value 30 hp — at 200/208 V rated value 40 hp — at 200/208 V rated value 75 hp — at 575600 V rated value 400 hp — et 460/480 V rated value 75 hp — at 575600 V rated value 400 hp — et 460/480 V rated value 75 hp — et 460/480 V rated value 96' 250 A (680 V, 100 kA), akt: 160 A (690 V, 100 kA), BS88: 200 A (415 V 20 kA) — et or short-circuit protection of the auxiliary switch gG: 10 A (500 V, 10kA), akt: 160 A (690 V, 100 kA), BS88: 160 A (415 V 20 kA) = for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 100 kA), akt: 160 A (690 V, 100 kA), BS88: 160 A (601 V 100 kA) = for short-circuit protection of the auxiliary switch	• at 480 V rated value	96 A
for single-phase AC motor	 at 600 V rated value 	99 A
for single-phase AC motor	yielded mechanical performance [hp]	
		10 hp
• for 3-phase Ac motor		
- at 200/208 V rated value 30 hp - at 220/230 V rated value 40 hp - at 220/230 V rated value 75 hp - at 575/600 V rated value 100 hp Short-circuit protection of the main circuit - with type of coordination 1 required 26: 250 A (600 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) - with type of assignment 2 required 26: 200 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 160 A (415 V, 80 kA) - with type of assignment 2 required 26: 200 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 160 A (415 V, 80 kA) - with type of assignment 2 required 26: 200 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 160 A (415 V, 80 kA) - with type of assignment 2 required 26: 200 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 160 A (415 V, 80 kA) - with type of assignment 2 required 26: 200 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 160 A (415 V, 80 kA) - with type of assignment 2 required 30: 100 KB (590 V, 1 KA) - with type of assignment 2 required 40 forward and backward by +*- 22.5° on vertical mounting surface; can be tilted forward and backward by +*- 22.5° on vertical mounting surface 50K (500 V, 100 kA), aM: 100 R (600 V, 100 kA), BS88: 160 A (415 V, 80 kA) - side-by-side mounting 40 He (415 V, 80 kA) - downwards 10 mm - down		
	•	30 hp
 - at 460/49 V rated value - at 575600 V rated value - at 580 A (690 V, 100 kA), atk: 150 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) - at the side - forwards - at the side -		
contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection design of the fuse link • for 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 - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Instalation/ 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 • eide-by-side mounting + eight 140 mm with side-by-side mounting - forwards - upwards - forwards		
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 for short-circuit protection of the auxiliary switch required gG: 200 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 160A (415 V, 80 kA) for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) add (415 V, 80 kA) gG: 10 A (500 V, 1 kA)		A0007 P000
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) with type of assignment 2 required gG: 200A (690V, 100 kA), aM: 100A (690V, 100 kA), BS88: 160A (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required gG: 200A (690 V, 100 kA), aM: 100A (690V, 100 kA), BS88: 160A (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; 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 forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forwards • side-by-side mounting Yes • with side-by-side mounting - forwards - oforwards 20 mm - oforwards 10 mm - oforwards <td></td> <td></td>		
(415 V. 80 kA) with type of assignment 2 required (415 V. 80 kA) • for short-circuit protection of the auxiliary switch required (G: 200A (690V,100kA), aM: 100A (690V,100kA), BS88: 160A (415V, S0kA) Installation/ mounting/ dimensions (G: 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 with side-by-side mounting Yes height 140 mm with side-by-side mounting - - orwards 20 mm - upwards 10 mm - downwards 0 mm - downwards 10 mm	 for short-circuit protection of the main circuit 	
- with type of assignment 2 required gG: 200A (690V, 100kA), aM: 100A (690V, 100kA), BS88: 160A (415V, 80kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10kA), aM: 100A (690V, 100kA), BS88: 160A (415V, 80kA) Installation/ mounting/ dimensions gG: 10 A (690 V, 10kA), aM: 100A (690V, 100kA), BS88: 160A (415V, 80kA) 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 with side-by-side mounting Yes • with side-by-side mounting Yes • with side-by-side mounting - - forwards 20 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - forwards 20 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm	 — with type of coordination 1 required 	
(415V,80kA) • 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 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 with side-by-side mounting Yes iside-by-side mounting 140 mm • with side-by-side mounting - • orwards 20 mm - forwards 10 mm - downwards 0 mm - downwards 0 mm - forwards 20 mm - downwards 10 mm - downwards		
• 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 scew 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 nequired spacing - • with side-by-side mounting - • onwards 20 mm - forwards 20 mm - onwards 10 mm - odownwards 10 mm - at the side 0 mm - onwards 20 mm - onwards 10 mm - at the side 0 mm - onwards 10 mm - at the side 0 mm - onwards 10 mm - at the side 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 - at the side 10 mm - at the side </td <td> — with type of assignment 2 required </td> <td></td>	 — with type of assignment 2 required 	
Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilled forward and backward by +/-22.5° on vertical mounting surface fastening method 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 152 mm • with side-by-side mounting - • with side-by-side mounting - • with side-by-side mounting - - forwards 20 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10		
Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilled 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 152 mm required spacing • • with side-by-side mounting - — forwards 20 mm — upwards 10 mm — at the side 0 mm • for grounded parts - — forwards 10 mm — at the side 10 mm — at the side 10 mm — oforwards 10 mm — at the side 10 mm — oforwards 10 mm — oforwards 10 mm — oforwards 10 mm — oforwards 10 mm — at the side 10 mm — oforwards 10 mm — oforwards 10 mm — oforwards 10 mm — oforw		gG: 10 A (500 V, 1 KA)
mounting position +/-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 152 mm required spacing 0 mm - forwards 20 mm - upwards 10 mm - at the side 0 mm - forwards 20 mm - forwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - at the side 0 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 <		
fastening method forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes height 140 mm width 70 mm depth 152 mm • with side-by-side mounting - • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 20 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - upwards 10 mm - at the side 0 mm - forwards 20 mm - upwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm <t< td=""><td>•</td><td></td></t<>	•	
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 152 mm • with side-by-side mounting - • with side-by-side mounting - • with side-by-side mounting - • forwards 20 mm - ownwards 10 mm - downwards 0 mm - downwards 0 mm - forwards 20 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - forwards 20 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - at the side 10 mm	Installation/ mounting/ dimensions	
e side-by-side mounting Yes height 140 mm width 70 mm depth 152 mm required spacing • with side-by-side mounting • with side-by-side mounting 0 mm - upwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 20 mm - upwards 10 mm - at the side 0 mm • for wards 10 mm - at the side 10 mm - downwards 10 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - for auxiliary and control circuit screw-type terminals - at the side 10 mm - at the side 10 mm - at the side 10 mm <t< td=""><td>Installation/ mounting/ dimensions</td><td>+/-180° rotation possible on vertical mounting surface; can be tilted</td></t<>	Installation/ mounting/ dimensions	+/-180° rotation possible on vertical mounting surface; can be tilted
• side-by-side mountingYesheight140 mmwidth70 mmdepth152 mmrequired spacing-• with side-by-side mounting forwards20 mm- forwards10 mm- downwards10 mm- downwards0 mm- at the side0 mm- for grounded parts forwards20 mm- at the side0 mm- at the side0 mm- at the side10 mm- forwards10 mm- at the side10 mm- at the side5 pring-loaded terminals- at the side5 pring-loaded terminals- at contactor for auxiliary contacts5 pring-type terminals <td>Installation/ mounting/ dimensions mounting position</td> <td>forward and backward by +/- 22.5° on vertical mounting surface</td>	Installation/ mounting/ dimensions mounting position	forward and backward by +/- 22.5° on vertical mounting surface
height 140 mm width 70 mm depth 152 mm required spacing - • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 0 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - at the s	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
width70 mmdepth152 mmrequired spacing152 mm• with side-by-side mounting forwards20 mm- upwards10 mm- downwards0 mm- at the side0 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- at the side0 mm• for grounded parts10 mm- at the side10 mm- at the side10 mm- downwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- for avards20 mm- downwards10 mm- at the side10 mm- forwards20 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- at the side10 mm <td>Installation/ mounting/ dimensions mounting position fastening method</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</td>	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
depth152 mmrequired spacingI• with side-by-side mounting0 mm- forwards20 mm- upwards10 mm- downwards0 mm- at the side0 mm• for grounded parts0 mm- forwards20 mm- forwards20 mm- at the side0 mm• for grounded parts0 mm- at the side10 mm- forwards10 mm- at the side10 mm- downwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- at the side10 mm- at the side<	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
required spacing interval • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm • for grounded parts - - forwards 20 mm - upwards 10 mm - at the side 0 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 m	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
 with side-by-side mounting forwards upwards downwards downwards downwards downwards mm downwards mm at the side for grounded parts forwards upwards forwards mm at the side mm downwards mm for live parts for wards mm downwards mm for wards mm at the side mm for live parts for wards mm at ownwards mm at the side mm at the side mm at the side mm at the side mm at the side mm at the side mm for main current circuit for auxiliary and control circuit spring-loaded terminals at contactor for auxiliary contacts Spring-type terminals 	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• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- downwards10 mm- forwards20 mm- downwards10 mm- forwards20 mm- forwards10 mm- forwards10 mm- at the side10 mm <td>Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth</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</td>	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
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- downwards10 mm- at the side0 mm• for grounded parts0 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- for live parts20 mm- forwards20 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- at the side10 mm- at the side1	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 152 mm
at the side0 mm• for grounded parts20 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 downwards10 mm downwards10 mm at the side10 mm at the side10 mm at the side10 mm at the side10 mm at the side5 mm a	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 152 mm
for grounded parts	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 152 mm 20 mm 10 mm
- forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - for live parts 20 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm - for main current circuit screw-type terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-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 152 mm 20 mm 10 mm 10 mm
upwards10 mm at the side10 mm downwards10 mm downwards20 mm forwards20 mm upwards10 mm downwards10 mm at the side10 mm at the side	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 152 mm 20 mm 10 mm 10 mm
at the side 10 mm downwards 10 mm • for live parts 20 mm forwards 20 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 spring-loaded terminals • at contactor for auxiliary contacts Spring-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 152 mm 20 mm 10 mm 0 mm
downwards10 mm• for live parts20 mm forwards20 mm upwards10 mm downwards10 mm at the side10 mm at the side10 mmSecond Second Se	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 152 mm 20 mm 10 mm 0 mm
 for live parts forwards forwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit screw-type terminals for auxiliary and control circuit spring-loaded terminals at contactor for auxiliary contacts 	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 152 mm 20 mm 10 mm 0 mm 20 mm
forwards 20 mm upwards 10 mm downwards 10 mm at the side 10 mm Connections/ Terminals 10 mm type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-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	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 152 mm 20 mm 10 mm 0 mm 20 mm 20 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 — 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 152 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 type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-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 — upwards — upwards — upwards — downwards — at the side — downwards — upwards — upwards — upwards — 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 152 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 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 spring-loaded terminals • at contactor for auxiliary contacts Spring-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 — upwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — forwards — upwards — forwards — for upwards — for upwards — forwards — for upwards — 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 152 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm
Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-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 — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — for live 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 152 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 spring-loaded terminals • at contactor for auxiliary contacts Spring-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 — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — oforwards — upwards — ofor live parts — forwards — upwards — 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 152 mm 20 mm 10 mm 20 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 10 mm
type of electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-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 • for live parts — forwards • for live parts — forwards — upwards — downwards • 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 152 mm 20 mm 10 mm 20 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 spring-loaded terminals • at contactor for auxiliary contacts Spring-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 grounded parts — forwards — at the side — downwards • for live parts — forwards — upwards — downwards • for live parts — forwards — upwards — downwards • for live parts — forwards — 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 152 mm 20 mm 10 mm 20 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
 for auxiliary and control circuit at contactor for auxiliary contacts Spring-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 — upwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards • for live parts — forwards — forwards — at the side — downwards • for live parts — forwards — upwards — 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 152 mm 20 mm 10 mm 20 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
at contactor for auxiliary contacts Spring-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 grounded parts — forwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — torwards — at the side — forwards — upwards — 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 152 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 — forwards • for live parts — forwards — upwards — at the side • 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 152 mm 20 mm 10 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
or magnet coll Spring-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 live parts — forwards • for live parts — forwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — at the side — downwards — at the side — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current 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 152 mm 20 mm 10 mm 10 mm 0 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 — 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 — at the side — forwards — upwards — at the side — formards — upwards — at the side — formards — upwards — at the side — formards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control 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 152 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 contacts	onductor cross-section	s for main			
	with core end processir	ng	2x (2.5 35 mm²), 1x (2.5 50 mm²)		
•	ctor cross-section for	•			
 solid 			2.5 16 mm²		
 stranded 			6 70 mm²		
 finely stranded 	with core end processir	ng	2.5 50 mm ²		
connectable conduc contacts	tor cross-section for	auxiliary			
 solid or strande 	d		0.5 2.5 mm ²		
 finely stranded 	with core end processir	ng	0.5 2.5 mm ²		
 finely stranded 	without core end proce	ssing	0.5 2.5 mm ²		
type of connectable	conductor cross-sect	tions			
 for auxiliary con 	ntacts				
 — solid or str 	anded		2x (0.5 2.5 mm²)		
 finely strar 	nded with core end proc	cessing	2x (0.5 1.5 mm²)		
 finely strar 	nded without core end p	processing	2x (0.5 2.5 mm²)		
 at AWG cables 	for auxiliary contacts		2x (20 16)		
AWG number as coo section	ded connectable cond	uctor cross			
 for main contact 	ts		10 2		
 for auxiliary con 	ntacts		20 14		
Safety related data					
product function					
	according to IEC 60947		Yes		
 positively driver 5-1 	n operation according to	DIEC 60947-	No		
B10 value with high d	emand rate according t	o SN 31920	1 000 000		
proportion of dange	rous failures				
 with low deman 	d rate according to SN	31920	40 %		
 with high deman 	nd rate according to SN	l 31920	73 %		
failure rate [FIT] with low demand rate according to SN 31920		100 FIT			
T1 value for proof test interval or service life according to IEC 61508		20 a			
60529	on the front according		IP20		
touch protection on suitability for use	the front according to	DIEC 60529	finger-safe, for vertica	al contact from the front	
 safety-related s 	witching on		No		
 safety-related s 	witching OFF		Yes		
Certificates/ approval	S				
General Product Ap	proval				
(SP)	(<u>Confirmation</u>	"	<u>KC</u>	FAL
CSA					LIIL
	Functional				
EMC	Safety/Safety of	Declaration of	of Conformity	Test Certificates	
	Machinery				
			,		
•	The second se				THE T LO US
A	Type Examination	UK	()	Special Test Certific-	<u>Type Test Certific-</u> ates/Test Report
\bigotimes	<u>Type Examination</u> <u>Certificate</u>		• CE	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report
		UK	EG-Konf.		
		UK CA	EG-Konf.		
RCM		UK CA	EG-Konf.		
RCM		UK CA	CE EG-Konf.		













other	Railway	Dangerous Good
Confirmation	Vibration and Shock	Transport Informa- tion

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=3RT2047-3NP30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2047-3NP30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-3NP30

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

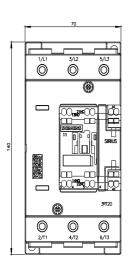
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2047-3NP30&lang=en

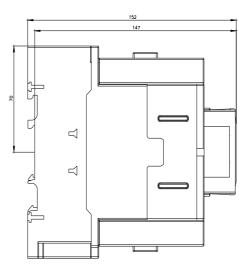
Characteristic: Tripping characteristics, I²t, Let-through current

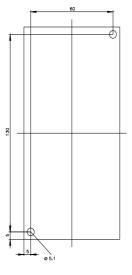
https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-3NP30/char

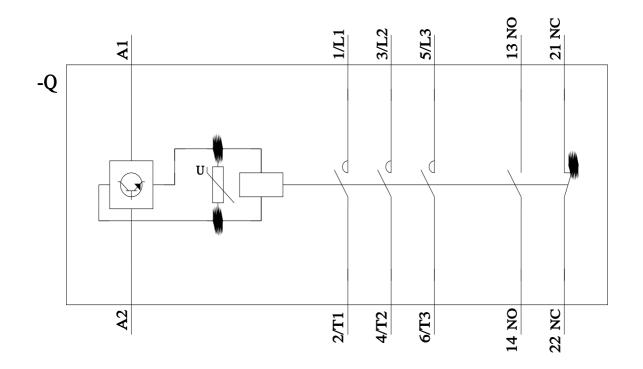
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2047-3NP30&objecttype=14&gridview=view1









last modified:

2/10/2023 🖸