SIEMENS

Data sheet

3RT2026-1NF30

power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, AC (50-60 Hz) DC operation 95-130 V AC/DC, 3-pole, Size S0, screw terminal



Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT2
General technical data	
Size of contactor	SO
Product extension	
 function module for communication 	No
Auxiliary switch	Yes
Surge voltage resistance	
 of main circuit rated value 	6 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation	
 between coil and main contacts acc. to EN 	400 V
60947-1	
Protection class IP	
• on the front	IP20
• of the terminal	IP20

 • of the terminal
 IP20

 Shock resistance at rectangular impulse
 • at AC
 8,3g / 5 ms, 5,3g / 10 ms

● at DC	10g / 5 ms, 7,5g / 10 ms
Shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
● at DC	15g / 5 ms, 10g / 10 ms
Mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronics- 	5 000 000
compatible auxiliary switch block typical	
 of the contactor with added auxiliary switch 	10 000 000
block typical	
Reference code acc. to DIN 40719 extended	К
according to IEC 204-2 acc. to IEC 750 Reference code acc. to DIN EN 81346-2	Q
Reference code acc. to Din EN 01340-2	Q
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
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 	690 V
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	40 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-2 at 400 V rated value	25 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-4 at 400 V rated value	15.5 A
Connectable conductor cross-section in main circuit	
at AC-1	
• at 60 °C minimum permissible	10 mm ²
• at 40 °C minimum permissible	10 mm ²

Operating current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	9 A
• at 690 V rated value	9 A
Operating current	
 at 1 current path at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
Operating current	
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
• with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
• with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A

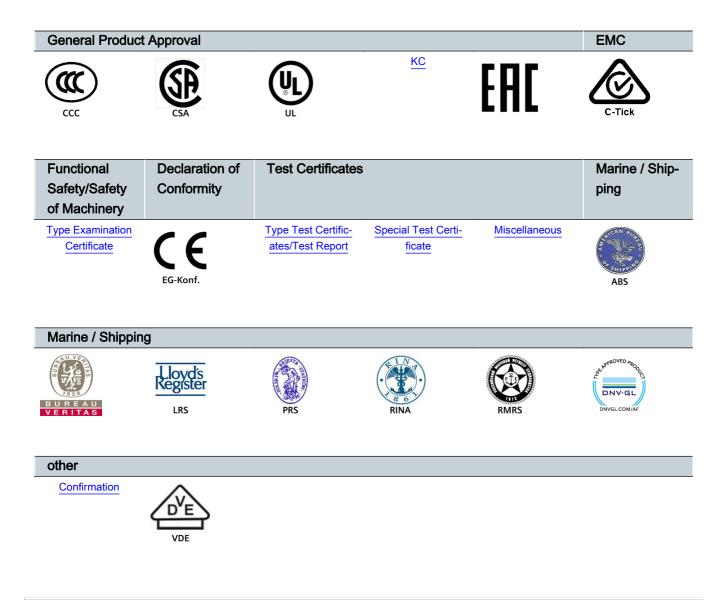
— at 600 V rated value	0.6 A
Operating power	
• at AC-1	
— at 230 V rated value	13.3 kW
— at 230 V at 60 °C rated value	13.3 kW
— at 400 V rated value	23 kW
— at 400 V at 60 °C rated value	23 kW
— at 690 V rated value	40 kW
— at 690 V at 60 °C rated value	40 kW
• at AC-2 at 400 V rated value	11 kW
• at AC-3	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
Operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	4.4 kW
• at 690 V rated value	7.7 kW
Thermal short-time current limited to 10 s	200 A
Power loss [W] at AC-3 at 400 V for rated value of	1.6 W
the operating current per conductor	
No-load switching frequency	5 000 1/h
• at AC	1 500 1/h
at DC Operating frequency	1 500 1/11
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage	AC/DC
Control supply voltage at AC	05 420.1/
• at 50 Hz rated value	95 130 V
at 60 Hz rated value	95 130 V
Control supply voltage at DC	95 130 V
rated value Operating range factor control supply voltage rated	95 130 V
value of magnet coil at DC	
• initial value	0.7
• Full-scale value	1.3
-	

Operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.7 1.3
● at 60 Hz	0.7 1.3
Design of the surge suppressor	with varistor
Inrush current peak	
• at 110 V	19 A
Duration of inrush current peak	
• at 110 V	30 µs
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	11.9 V·A
• at 60 Hz	12 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.98
• at 60 Hz	0.98
Apparent holding power of magnet coil at AC	
● at 50 Hz	1.6 V·A
● at 60 Hz	1.8 V·A
Inductive power factor with the holding power of the coil	
• at 50 Hz	0.79
• at 60 Hz	0.74
Closing power of magnet coil at DC	10.2 W
Holding power of magnet coil at DC	1.3 W
Closing delay	
• at AC	50 70 ms
• at DC	50 70 ms
Opening delay	
● at AC	35 45 ms
• at DC	35 45 ms
Arcing time	10 10 ms
Control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	1
Number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A

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 1 A at 220 V rated value 1 A at 220 V rated value 0.15 A Operating current at DC-13 0 A at 24 V rated value 10 A at 48 V rated value 2 A at 48 V rated value 0.15 A Operating current at DC-13 0 A at 48 V rated value 2 A at 60 V rated value 2 A at 110 V rated value 0.9 A at 125 V rated value 0.3 A at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 7 Full-load current (FLA) for three-phase AC motor 1 A at 600 V rated value 21 A at 480 V rated value 21 A at 480 V rated value 2 hp - at 200/208 V rated value 3 hp • for three-phase AC motor 5 hp - at 200/208 V rated value 5 h	• at 690 V rated value	1 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 at 600 V rated value 0.15 A Operating current at DC-13 10 A at 48 V rated value 10 A at 48 V rated value 2 A at 40 V rated value 10 A at 48 V rated value 2 A at 60 V rated value 2 A at 60 V rated value 2 A at 110 V rated value 0.9 A at 220 V rated value 0.3 A at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/COSA ratings 7 Full-load current (FLA) for three-phase AC motor 1 faulty switching per 100 million (17 V, 1 mA) U/COSA ratings 21 A val 600 V rated value 2 hp - at 480 V rated value 2 hp - at 101/120 V rated value 2 hp - at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at	Operating current at DC-12	
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 • at 600 V rated value 0.15 A Operating current at DC-13 • • at 24 V rated value 10 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 0.9 A • at 220 V rated value 0.3 A • at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings Full-load current (FLA) for three-phase AC motor • at 600 V rated value 21 A • at 600 V rated value 21 A • at 600 V rated value 2 hp • for single-phase AC motor - - at 200 Z08 V rated value 5 hp - at 200208 V rated value 5 hp - at 200208 V rated value 5 hp - at 200208 V rated value 20 hp Contact rating of auxiliary contacts according to UL <	• at 24 V rated value	10 A
at 110 V rated value 3 A at 125 V rated value 2 A at 220 V rated value 1 A at 220 V rated value 0.15 A Operating current at DC-13 0 A at 24 V rated value 10 A at 24 V rated value 2 A at 48 V rated value 2 A at 10 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 0.9 A at 220 V rated value 0.3 A at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 Full-load current (FLA) for three-phase AC motor 21 A at 600 V rated value 21 A at 600 V rated value 22 A Vielded mechanical performance [tp] • for single-phase AC motor - at 230 V rated value 3 hp • for three-phase AC motor - at 220/230 V rated value - at 200/208 V rated value 7.5 hp - at 460/480 V rated value 2 hp - at 460/480 V rated value 2 hp - at 450/480 V rated value 2 h	• at 48 V rated value	6 A
at 125 V rated value 2 A at 220 V rated value 1 A • at 600 V rated value 0.15 A Operating current at DC-13 10 A • at 24 V rated value 2 A • at 80 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 125 V rated value 0.3 A • at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings Full-load current (FLA) for three-phase AC motor • at 460 V rated value 21 A • at 600 V rated value 2 hp • at 600 V rated value 2 hp • at 230 V rated value 3 hp • for three-phase AC motor - - at 230 V rated value 5 hp - at 200/208 V rated value 5 hp - at 460/480 V rated value 2 hp - at 460/480 V rated value 2 hp <	• at 60 V rated value	6 A
ait 220 V rated value 1 A • ait 220 V rated value 0.15 A Operating current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0.9 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value 21 A • at 600 V rated value 2 hp • at 200 V rated value 3 hp • for three-phase AC motor - at 200/208 V rated value • at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at 460/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600	• at 110 V rated value	3 A
at 800 V rated value 0.15 A Operating current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 800 V rated value 21 A • at 600 V rated value 22 A Yielded mechanical performance [hp] • for single-phase AC motor • at 100/120 V rated value 2 hp • at 200/208 V rated value 3 hp • for three-phase AC motor - at 220/230 V rated value • at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at 460/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit -	• at 125 V rated value	2 A
Operating current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value 21 A • at 600 V rated value 22 A Vielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value • at 200 V rated value 2 hp - at 200/208 V rated value 3 hp • for three-phase AC motor - at 220/230 V rated value - at 200/208 V rated value 5 hp - at 460/480 V rated value 2 hp - at 460/480 V rated value 2 hp - at 65/600 V rated value 2 hp - at 65/600 V rated value 2 hp - at 60/480 V rated value 2 hp - at 460/480 V rated value 2 hp - at 460/480 V r	• at 220 V rated value	1 A
 at 24 V rated value at 48 V rated value 2 A at 60 V rated value 2 A at 10 V rated value 1 A at 125 V rated value 0.9 A 0.3 A at 600 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp at 200/201 V rated value 3 hp for three-phase AC motor at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 480/0 V rated value 75 hp at 600/480 V rated value 20 hp Contact rating of auxillary contacts according to UL Store-circuit protection of the main circuit with type of coordination 1 required GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA (415 V, 80 kA) with type of assignment 2 required GG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), B888 	• at 600 V rated value	0.15 A
 et al 48 V rated value et 48 V rated value et 60 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 21 A at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 200 V rated value 2 hp at 200 V rated value 3 hp for three-phase AC motor at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 480/80 V rated value 20 hp Contact rating of auxiliary contacts according to UL. A600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), B888 	Operating current at DC-13	
 at 60 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value 0.3 A at 600 V rated value 0.1 A Contact reliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp at 230 V rated value 3 hp for three-phase AC motor at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 480/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required GS: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), BS88 	• at 24 V rated value	10 A
 at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 2 hp at 230 V rated value 3 hp for three-phase AC motor at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 480/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required GS: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100 kA), BS88 	• at 48 V rated value	2 A
 at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value be for single-phase AC motor at 101/120 V rated value be for single-phase AC motor at 200/208 V rated value be for three-phase AC motor at 200/208 V rated value contact rating of auxiliary contacts according to UL A600 V (ated value be for short-circuit protection at 460/480 V rated value be for short-circuit protection of the main circuit with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), 1 A (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), B888 	• at 60 V rated value	2 A
 at 220 V rated value at 220 V rated value at 600 V rated value 0.3 A 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value 21 A at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 10/120 V rated value 2 hp at 230 V rated value 3 hp for three-phase AC motor at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 460/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection bioth fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA A (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), B888 	• at 110 V rated value	1 A
• at 600 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor 21 A • at 480 V rated value 21 A • at 600 V rated value 22 A Yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for three-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 220/230 V rated value 15 hp - at 460/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection - with type of coordination 1 required - with type of assignment 2 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I - with type of assignment 2 required gG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), BS88	• at 125 V rated value	0.9 A
Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Full-load current (FLA) for three-phase AC motor 21 A • at 480 V rated value 22 A Yielded mechanical performance [hp] 6 for single-phase AC motor • at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for three-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at 200/208 V rated value 7.5 hp - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp Action V rated value 20 hp - at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 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 gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88	• at 220 V rated value	0.3 A
UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value 21 A • at 600 V rated value 22 A Yielded mechanical performance [hp] • for single-phase AC motor 2 hp - at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for three-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 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 gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA	• at 600 V rated value	0.1 A
Full-load current (FLA) for three-phase AC motor 21 A • at 480 V rated value 21 A • at 600 V rated value 22 A Yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for three-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 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 9G: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I	Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Full-load current (FLA) for three-phase AC motor 21 A • at 480 V rated value 21 A • at 600 V rated value 22 A Yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for three-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 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 9G: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I	III /CCA rotingo	
 at 480 V rated value at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value thp at 230 V rated value bp for three-phase AC motor at 200/208 V rated value 5 hp at 220/230 V rated value 5 hp at 220/230 V rated value 5 hp at 460/480 V rated value bp at 575/600 V rated value Short-circuit protection Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), BS88 		
 at 600 V rated value at 600 V rated value 22 A Yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value bp at 230 V rated value cfor three-phase AC motor at 200/208 V rated value 5 hp at 200/208 V rated value 5 hp at 220/230 V rated value 5 hp at 460/480 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required G: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), IA (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88 		21 A
Yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for three-phase AC motor - at 200/208 V rated value 5 hp - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 2 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) - with type of assignment 2 required		
 for single-phase AC motor at 110/120 V rated value at 230 V rated value bp at 230 V rated value bp for three-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 460/480 V rated value cat 575/600 V rated value contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Ge: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), 10 kA), 10 kA), aM: 50 A (690 V, 100 kA), aM: 20A (690V, 100 kA), BS88 with type of assignment 2 required gG: 35A (690V, 100 kA), aM: 20A (690V, 100 kA), BS88 		
 at 110/120 V rated value at 230 V rated value for three-phase AC motor at 200/208 V rated value 5 hp at 220/230 V rated value 5 hp at 460/480 V rated value 5 hp at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Ge: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88 		
 at 230 V rated value for three-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 460/480 V rated value bp at 460/480 V rated value bp at 575/600 V rated value bp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Short-circuit protection - with type of coordination 1 required - with type of assignment 2 required GG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88		2 hp
 for three-phase AC motor at 200/208 V rated value bp at 220/230 V rated value fhp at 460/480 V rated value fhp at 460/480 V rated value fhp at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Design of the fuse link a GG: 100 A (690 V, 100 kA), aM: 50 A (690 V		
 at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value bp at 460/480 V rated value bp at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) with type of assignment 2 required 		
 at 220/230 V rated value at 460/480 V rated value bp at 575/600 V rated value 20 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Short-circuit protection 0 e for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required GG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88		5 hp
 at 460/480 V rated value at 575/600 V rated value 20 hp 20 hp A600 / Q600 Short-circuit protection Design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required G: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) with type of assignment 2 required 		
Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Gesign of the fuse link Gesign 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 gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I — with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88		
Design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) — with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88		
 for short-circuit protection of the main circuit with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88 		
— with type of coordination 1 required gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), I A (415 V, 80 kA) — with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88	-	
A (415 V, 80 kA) — with type of assignment 2 required gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88		
	 — with type of coordination 1 required 	
(+ IJV, OUNA)	— with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
• for short-circuit protection of the auxiliary switch fuse gG: 10 A required		fuse gG: 10 A

Installation/ mounting/ dimensions	nstallation/ mounting/ dimensions	
Mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface	
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	
 Side-by-side mounting 	Yes	
Height	85 mm	
Width	45 mm	
Depth	107 mm	
Required spacing		
 with side-by-side mounting 		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	0 mm	
 for grounded parts 		
— forwards	10 mm	
— upwards	10 mm	
— at the side	6 mm	
— downwards	10 mm	
• for live parts		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	6 mm	
Connections/Terminals		
Type of electrical connection		
 for main current circuit 	screw-type terminals	
 for auxiliary and control current circuit 	screw-type terminals	
Type of connectable conductor cross-sections		
 for main contacts 		
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)	
 — single or multi-stranded 	2x (1 2,5 mm²), 2x (2,5 10 mm²)	
— finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²	
 at AWG conductors for main contacts 	2x (16 12), 2x (14 8)	
Connectable conductor cross-section for main contacts		
• solid	1 10 mm²	
• stranded	1 10 mm²	
 finely stranded with core end processing 	1 10 mm²	

Connectable conductor cross-section for auxiliary	
contacts	
 single or multi-stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
Type of connectable conductor cross-sections	
 for auxiliary contacts 	
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at AWG conductors for auxiliary contacts 	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross	
section	
 for main contacts 	16 8
 for auxiliary contacts 	20 14
Safety related data	
B10 value	
 with high demand rate acc. to SN 31920 	1 000 000
Proportion of dangerous failures	
 with low demand rate acc. to SN 31920 	40 %
 with high demand rate acc. to SN 31920 	73 %
Failure rate [FIT]	
 with low demand rate acc. to SN 31920 	100 FIT
Product function	
 Mirror contact acc. to IEC 60947-4-1 	Yes
T1 value for proof test interval or service life acc. to IEC 61508	20 у
Protection against electrical shock	finger-safe
Certificates/approvals	



Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-1NF30

Cax online generator

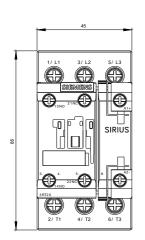
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1NF30

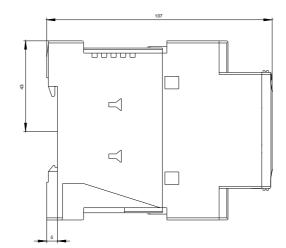
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1NF30

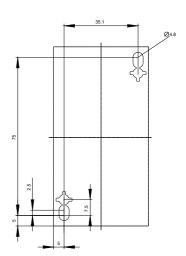
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1NF30&lang=en

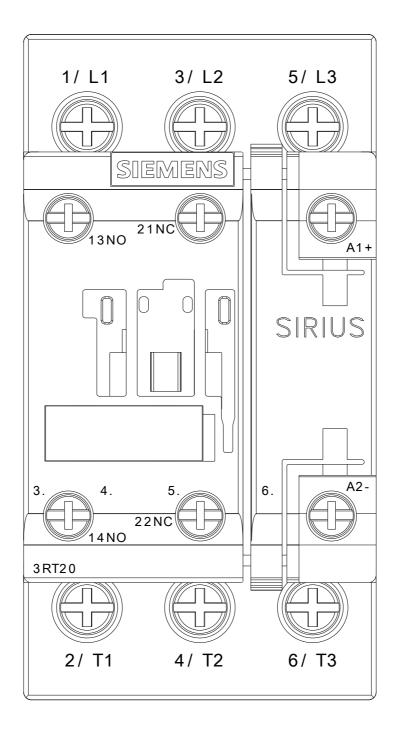
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1NF30/char

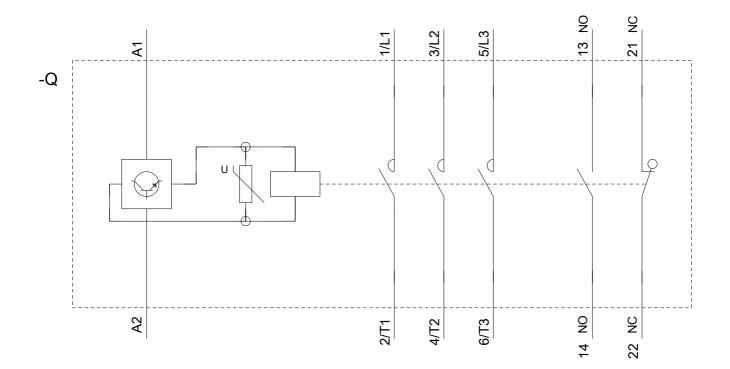
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1NF30&objecttype=14&gridview=view1











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01/20/2019