SIEMENS

Data sheet 3RT2024-1AR60



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 400 V AC, 50 Hz / 400-440 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	0.9 W
 at AC in hot operating state per pole 	0.3 W
 without load current share typical 	7.9 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	7,5g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,8g / 5 ms, 7,4g / 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)	10/01/2009
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 	690 V
at AC-3e rated value maximum	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated 	40 A
value	
• 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	35 A
value	
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	12 A
— at 690 V rated value	9 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	12 A
— at 690 V rated value	9 A
• at AC-4 at 400 V rated value	12.5 A
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	11.4 A
— up to 400 V for current peak value n=20 rated value	11.4 A
— up to 500 V for current peak value n=20 rated value	11.3 A
— up to 690 V for current peak value n=20 rated value	9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	7.6 A
— up to 400 V for current peak value n=30 rated value	7.6 A
— up to 500 V for current peak value n=30 rated value	7.6 A
— up to 690 V for current peak value n=30 rated value	7.6 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current for approx. 200000 operating cycles at	
AC-4	554
at 400 V rated value	5.5 A
at 690 V rated value	5.5 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	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 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
 at 1 current path at DC-3 at DC-5 	

— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1.4
— 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	0.00 A
•	25 A
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
• at AC-3	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	7.5 kW
• at AC-3e	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	7.5 kW
operating power for approx. 200000 operating cycles at AC-	
4	
 at 400 V rated value 	2.6 kW
at 690 V rated value	4.6 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	4.5 kVA
 up to 400 V for current peak value n=20 rated value 	7.8 kVA
 up to 500 V for current peak value n=20 rated value 	9.8 kVA
up to 690 V for current peak value n=20 rated value	10.7 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	3 kVA
• up to 400 V for current peak value n=30 rated value	5.2 kVA
• up to 500 V for current peak value n=30 rated value	6.5 kVA
• up to 690 V for current peak value n=30 rated value	9 kVA
short-time withstand current in cold operating state up to	
40 °C	
 limited to 1 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	170 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	126 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	105 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	1 000 1/h
• at AC-3 maximum	1 000 1/h
at AC-3e maximum	1 000 1 11
- at 7 to 60 maximum	1 000 1/h
• at AC-4 maximum	1 000 1/h 300 1/h
• at AC-4 maximum	

number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 48 V rated value • at 125 V rated value • at 60 V rated value • at 220 V rated value • at 60 V rated value		
## 160 Hz rated value 440 V 50 persiting range factor control supply voltage rated value of ingents Coll at AC 0.8 5 1.1 0.85	control supply voltage at AC	
Separating range factor control supply voltage rated value of magnet coil at 160 Hz 0.85 1.1	• at 50 Hz rated value	400 V
magnet coli at AC	at 60 Hz rated value	440 V
### 160 Hz	operating range factor control supply voltage rated value of magnet coil at AC	
apparent plck-up power of magnet coil at AC 68 VA 14 00 Hz	● at 50 Hz	0.8 1.1
apparent plck-up power of magnet coil at AC 68 VA 14 00 Hz	• at 60 Hz	0.85 1.1
# at 50 Hz	apparent pick-up power of magnet coil at AC	
miductive power factor with closing power of the coil a 150 Hz a 160 Hz a 172 a 160 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz a 150 Hz		68 VA
	• at 60 Hz	67 VA
	inductive power factor with closing power of the coil	
apparent holding power of magnet coil at AC 1.50 Nz 6.5 VA		0.72
• at 60 Hz	● at 60 Hz	0.74
• at 60 Hz	apparent holding power of magnet coil at AC	
Inductive power factor with the holding power of the coil * at 50 Hz		7.9 VA
• at 60 Hz • ot 60 Hz • ot 60 Hz • ot 60 Hz • ot 61 Hz • ot 60 Hz • ot 61 Hz • ot 61 Hz • ot 60 Hz • ot 61 Hz • ot 60 Hz	● at 60 Hz	6.5 VA
• at 60 Hz Closing delay	inductive power factor with the holding power of the coil	
A		0.25
• at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts instantaneous contact number of NO contacts instantaneous contact number of NO contact instantaneous contact number of NO contact instantaneous contact number of NO contact number	• at 60 Hz	0.28
• at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts instantaneous contact number of NO contacts instantaneous contact number of NO contact instantaneous contact number of NO contact instantaneous contact number of NO contact number	closing delay	
		8 40 ms
	opening delay	
Control version of the switch operating mechanism Standard A1 - A2		4 16 ms
Auxiliary circuit 1 number of NC contacts for auxiliary contacts instantaneous contact 1 contact contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 1 20 A at 300 V rated value 3 A at 400 V rated value 2 A at 500 V rated value 1 A operational current at DC-12 1 A at 48 V rated value 6 A at 48 V rated value 6 A at 81 V rated value 2 A at 110 V rated value 3 A at 110 V rated value 2 A at 24 V rated value 1 A at 25 V rated value 2 A at 20 V rated value 1 A at 20 V rated value 1 A at 20 V rated value 2 A at 24 V rated value 2 A at 24 V rated value 10 A at 24 V rated value 2 A at 32 V rated value 2 A at 48 V rated value 1 A at 25 V rated value 2 A at 32 V rated valu	arcing time	10 10 ms
Number of NC contacts for auxillary contacts instantaneous contact c	control version of the switch operating mechanism	Standard A1 - A2
contact number of NO contacts for auxililary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 10 A • at 400 V rated value 2 A • at 500 V rated value 1 A • at 690 V rated value 1 A • at 48 V rated value 6 A • at 48 V rated value 6 A • at 110 V rated value 6 A • at 110 V rated value 2 A • at 125 V rated value 1 A • at 220 V rated value 0.15 A • at 220 V rated value 0.15 A • at 24 V rated value 0.15 A • at 24 V rated value 0.15 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 110 V rated value 0.9 A • at 220 V rated value 0.9 A • at 220 V rated value 0.1 A	Auxiliary circuit	
Operational current at AC-12 maximum 10 A		1
Poperational current at AC-15 • at 230 V rated value		1
	operational current at AC-12 maximum	10 A
	operational current at AC-15	
	at 230 V rated value	10 A
• at 690 V rated value 10 A operational current at DC-12 • at 24 V rated value 6A • at 48 V rated value 6A • at 110 V rated value 3A • at 125 V rated value 2A • at 220 V rated value 1A • at 800 V rated value 1A • at 800 V rated value 2A • at 220 V rated value 1A • at 600 V rated value 1A • at 48 V rated value 2A • at 110 V rated value 2A • at 110 V rated value 1A • at 125 V rated value 2A • at 110 V rated value 1A • at 125 V rated value 1A • at 120 V rat	• at 400 V rated value	3 A
operational current at DC-12	• at 500 V rated value	2 A
 at 24 V rated value at 48 V rated value 6 A at 60 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 48 V rated value at 48 V rated value at 48 V rated value at 60 V rated value at 10 A at 48 V rated value at 10 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 200 V rated value at 600 V rated value at 11 A at 600 V rated value at 11 A at 600 V rated value at 11 A at 600 V rated value at 70 J m m m m m m m m m m m m m m m m m m	at 690 V rated value	1 A
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 10 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 200 V rated value • at 200 V rated value • at 3600 V rated value • at 600 V rated value	operational 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 operational current at DC-13 • at 24 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 60 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 1 A • at 25 V rated value 0.9 A • at 220 V rated value 0.3 A • at 200 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 3-phase AC motor • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp	 at 24 V rated value 	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 3A at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 7 Eaulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	at 48 V rated value	6 A
 at 125 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 200 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 7 A at 600 V rated value at 7 A at 7 A at 7 A at 7 A at 800 V rated value at 7 A at 8 A at 8	at 60 V rated value	6 A
	• at 110 V rated value	3 A
• at 600 V rated value 0.15 A operational current at DC-13 • 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 11 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 3-phase AC motor • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp	• at 125 V rated value	2 A
operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 70 J rated value • at 80 V rated value • at 80 V rated value • at 11 A • at 600 V rated value • at 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp	• at 220 V rated value	1 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 11 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	at 600 V rated value	0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	operational current at DC-13	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 11 A at 600 V rated value at 11 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at a foll-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value at 600 V rated value at 11 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	at 48 V rated value	2 A
at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 11 A at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp	• at 60 V rated value	2 A
 at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	• at 110 V rated value	1 A
at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp	at 125 V rated value	
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp	at 220 V rated value	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp		1 faulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp 	UL/CSA ratings	
 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp 	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value 1 hp		
for single-phase AC motor — at 110/120 V rated value 1 hp		11 A
— at 110/120 V rated value 1 hp		
	 for single-phase AC motor 	
— at 230 V rated value 2 hp	— at 110/120 V rated value	
	— at 230 V rated value	2 hp

 for 3-phase AC motor 	
— at 200/208 V rated value	3 hp
 — at 220/230 V rated value 	3 hp
 — at 460/480 V rated value 	7.5 hp
— at 575/600 V rated value	10 hp
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 	
 — with type of coordination 1 required 	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)
 — with type of assignment 2 required 	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
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	85 mm
width	45 mm
depth	97 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 circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
• solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
• solid or 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
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	
• solid or 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	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	16 8

20 14	
Yes	
450 000	
40 %	
73 %	
100 FIT	
20 a	
IP20	
finger-safe, for vertical contact from the front	
Yes	

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



	EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conformity	Test Certificates
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Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













other Railway Environment

Confirmation



Confirmation

Vibration and Shock

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2024-1AR60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2024-1AR60

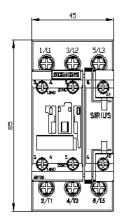
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

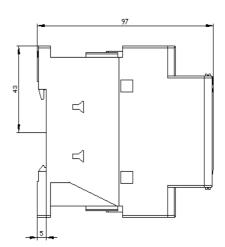
https://support.industry.siemens.com/cs/ww/en/ps/3RT2024-1AR60

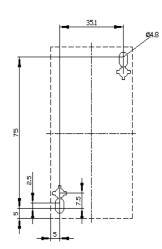
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

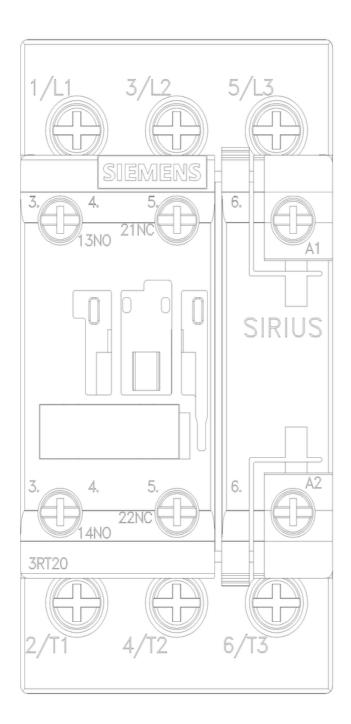
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2024-1AR60&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current











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