SIEMENS

Data sheet 3RT2026-2FB40



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 24 V DC, with plugged-in diode combination, auxiliary contacts: 1 NO + 1 NC, spring-loaded 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 	5.7 W	
 at AC in hot operating state per pole 	1.9 W	
 without load current share typical 	5.9 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 DC	10g / 5 ms, 7,5g / 10 ms	
shock resistance with sine pulse		
• at DC	15g / 5 ms, 10g / 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	
SVHC substance name	Blei - 7439-92-1	
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	40.4
 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	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— 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
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
— up to 500 V for current peak value n=30 rated value	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated	10 mm²
value operational current for approx. 200000 operating cycles at	
AC-4	
at 400 V rated value	9 A
at 690 V rated value	9 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 4 assument math = 100 0 = 100 F	
at 1 current path at DC-3 at DC-5 at 24 V rated value.	20 A
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	2.5 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	05.4
— 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	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
• at AC-3e	
— 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-	
• at 400 V rated value	4.4 kW
at 690 V rated value	7.7 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	8 kVA
• up to 400 V for current peak value n=20 rated value	13.9 kVA
• up to 500 V for current peak value n=20 rated value	17.4 kVA
• up to 690 V for current peak value n=20 rated value	15.4 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	5.3 kVA
• up to 400 V for current peak value n=30 rated value	9.3 kVA
• up to 500 V for current peak value n=30 rated value	11.6 kVA
• up to 690 V for current peak value n=30 rated value	15.5 kVA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	300 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	210 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	144 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	118 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	1 500 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum	750 1/h
at AC-4 maximum	250 1/h

Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
operating range factor control supply voltage rated value of	
magnet coil at DC	
• initial value	0.8
full-scale value	1.1
design of the surge suppressor	with diode assemblies
closing power of magnet coil at DC	5.9 W
holding power of magnet coil at DC	5.9 W
closing delay	
• at DC	50 170 ms
opening delay	
• at DC	15 18 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact	4
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
at 400 V rated value	3 A
at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 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 110 V rated value	1 A
• at 125 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 3-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 3-phase AC motor	
— 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 / P600
Short-circuit protection	
design of the fuse link	

- with type of assignment 2 required - with type of assignment 2 required - for short-circula protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - for short-circular protection of the auxiliary switch required - short-by-side mounting - short switch - short switch required - short-by-side mounting - forwards - forwards - forwards - short short switch switch - short switch required spacing - with side-by-side mounting - forwards - short side shoy-side mounting - for grounded parts - forgrounded parts - short strained - downwards - short strained - downwards - short shor	• for short circuit protection of the main circuit	
- with type of assignment 2 required of a short-circuit protection of the auxiliary switch required interesting method series and snapon mounting outlinestons fastering method series and snapon mounting aurizons can be titled forward and backward by +2.25° or unarrizing surfaces; can be titled forward and backward by +2.25° or unarrizing surfaces; can be titled forward and backward by +2.25° or unarrizing surfaces; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and backward by +2.25° or unarrizing surface; can be titled forward and sackward surface; can be titled forward		αG: 100 A (690 V 100 kA) aM: 50 Δ (690 V 100 kΔ). RS88: 100 Δ (415 V 20
* for short-circuit protection of the auxiliary switch required sharilation / mounting position of sharilation / mounting position	— with type of coordination i required	
mounting position ##180° (rotation position position position on vertical mounting surface: can be titled forward an abactoward by #1.2.2.5° on vertical mounting surface. ##180° (rotation position provided pr	— with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
mounting position ### ### ### ### ### ### ### ### ### #	• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
fastering method screw and snap-on mounting sirface side-by-side mounting width side-by-side mounting width depth side-by-side mounting with side-by-side mounting side-by-side side mounting side-by-side side mounting side-by-side side-by-side side-by-s	Installation/ mounting/ dimensions	
height	mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
Nesight 102 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width depth	side-by-side mounting	Yes
required spacing * with side-by-side mounting - forwards - upwards - downwards - downwards - forwards - forwards - forwards - forwards - upwards - forwards - upwards - forwards - the side - downwards - at the side - for grounded parts - forwards - upwards - for live parts - forwards - upwards - for live parts - forwards - upwards - oton memoratoric for upwards - at the side - one for live parts - for forwards - to manufactions - for minion current circuit - for auxiliary and control circuit - solid or stranded - solid or stranded - solid or stranded without core end processing - finely stranded with ore end processing - finely stranded	height	102 mm
required spacing with side-by-side mounting	width	45 mm
	depth	107 mm
forwards upwards		
— upwards	-	40
- at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards 10 mm • for live parts - forwards 10 mm • for live parts - to rewards 10 mm • for live parts - to rewards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • spring-loaded terminals • of magnet coil Spring-type terminals • of magnet will core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts • for main contacts • for main contacts • for main contac	•	
• for grounded parts - forwards - towards - upwards - at the side - downwards - for live parts - forwards - downwards - for main current circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - solid - solid or stranded - finely stranded with core and processing - finely stranded with core end processing - finely stranded without core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded without core end processing - for for wall calculated with core end processing - for for wall calculated with core end processing - for for wall calculated with core end processing - for for main contacts - for auxiliary contacts - for auxiliary contacts - for		
		UIIIII
- upwards		10 mm
- at the side — downwards 10 mm for live parts — forwards 10 mm — upwards 10 mm — at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit spring-loaded terminals • of maxillary and control circuit spring-loaded terminals • for auxillary and control circuit spring-loaded terminals • of magnet coil Spring-type terminals • of magnet coil spring-type terminals • of magnet with core and processing 2x (1 10 mm²) • finely stranded with core end processing 2x (1 6 mm²) • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • finely stranded with core end processing 2 5 mm² • for auxillary contacts 2 5 mm² • for AWG cables for auxillary contacts 2 2.5 mm² • for AWG cables for auxillary contacts 2 18 8 • for auxillary contacts 5 18 8		
- downwards • for live parts - forwards - upwards - upwards - downwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid - solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contac	•	
• for live parts — conwards — upwards — downwards — at the side Connoctions/Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of one connectable conductor cross-section for main contacts • of magnet with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded • finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely stranded without core end processing • for fave finely str		
forwards		TV tilli
- upwards	·	10 mm
- downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded without core end processing - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - for nain contacts - for nain contacts - for nain contacts - for nain contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxili		
Tennections / Terminals type of electrical connection of or main current circuit spring-loaded terminals of a contactor for auxiliary contacts Spring-loaded terminals of magnet coil spring-loaded terminals of magnet coil spring-type terminals volid 2x (1 10 mm²) osolid or stranded 2x (1 10 mm²) of inely stranded with core end processing 2x (1 6 mm²) of inely stranded without core end processing 2x (1 6 mm²) connectable conductor cross-section for main contacts osolid 1 10 mm² of inely stranded with core end processing 1 6 mm² of inely stranded with core end processing 1 6 mm² connectable conductor cross-section for auxiliary contacts osolid or stranded 5 2.5 mm² of inely stranded with core end processing 0.5 2.5 mm² of inely stranded with core end processing 2x (0.5 2.5 mm² type of connectable conductor cross-sections of or auxiliary contacts - solid or stranded with core end processing 2x (0.5 2.5 mm²) of not auxiliary contacts - solid or stranded with core end processing 2x (0.5 2.5 mm²) of or AWG cables for auxiliary contacts 2x (20 1.4 mm²)	·	
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processin		
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded without core end processing • sind • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts • for main contacts • for main contacts • for main contacts • for main in contacts • for main in contacts • for main in contacts • for auxiliary contacts • for main in contacts • for auxiliary contacts		
• for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • solid or stranded with core end processing • finely stranded without core end processing • solid • stranded with core end processing • finely stranded without core end processing • solid • stranded • solid • stranded • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end proce		
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid solid solid or stranded finely stranded with core end processing finely stranded without core end processing solid stranded solid solid stranded solid stranded solid		spring-loaded terminals
• of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • solid • stranded conductor cross-section for main contacts • solid • stranded without core end processing • solid • stranded • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing -	 for auxiliary and control circuit 	spring-loaded terminals
type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - finely stranded with core end processing - finely	 at contactor for auxiliary contacts 	Spring-type terminals
solid or stranded solid or stranded or stranded or finely stranded with core end processing or finely stranded without core end processing or finely stranded without core end processing or stranded or stranded or stranded or finely stranded with core end processing or finely stranded without core end processing or finely stranded without core end processing or finely stranded with core end processing or finely stranded with core end processing or finely stranded with core end processing or finely stranded without core end processing or finely stranded without core end processing or finely stranded without core end processing or finely stranded with core end processing or finely stranded without or fine	of magnet coil	Spring-type terminals
 solid or stranded finely stranded with core end processing finely stranded without core end processing 2x (1 6 mm²) 2x (1 6 mm²) connectable conductor cross-section for main contacts solid stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing solid or stranded finely stranded finely stranded finely stranded finely stranded finely stranded with core end processing for auxiliary contacts solid or stranded for auxiliary contacts solid or stranded without core end processing for auxiliary contacts solid or stranded with core end processing for auxiliary contacts for auxiliary contacts finely stranded with core end processing 2x (0.5 2.5 mm²) finely stranded without core end processing for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts for main contacts for main contacts for main contacts for auxiliary contacts 18 8 for auxiliary contacts for auxiliary contacts 	type of connectable conductor cross-sections for main contacts	
 finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing solid stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing solid or stranded finely stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing for inely stranded without core end processing for auxiliary contacts solid or stranded for auxiliary contacts solid or stranded with core end processing for auxiliary contacts for auxiliary contacts finely stranded with core end processing 2x (0.5 2.5 mm²) finely stranded without core end processing 2x (0.5 2.5 mm²) for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts for main contacts for main contacts for main contacts for auxiliary contacts 18 8 for auxiliary contacts 20 14 	• solid	2x (1 10 mm²)
 finely stranded without core end processing connectable conductor cross-section for main contacts solid stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing solid or stranded finely stranded with core end processing finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts solid or stranded finely stranded without core end processing for auxiliary contacts for auxiliary contacts finely stranded with core end processing 2x (0.5 2.5 mm²) for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 8 for auxiliary contacts 20 14 	solid or stranded	2x (1 10 mm²)
connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts 18 8 • for auxiliary contacts 2 14	 finely stranded with core end processing 	2x (1 6 mm²)
 solid stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing finely stranded without core end processing solid or stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing for auxiliary contacts solid or stranded for auxiliary contacts finely stranded with core end processing x (0.5 2.5 mm²) finely stranded with core end processing finely stranded with core end processing for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 8 for auxiliary contacts 20 14 	finely stranded without core end processing	2x (1 6 mm²)
 stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts solid or stranded for auxiliary contacts finely stranded with core end processing finely stranded with core end processing for auxiliary contacts finely stranded with core end processing for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 8 for auxiliary contacts 20 14 	connectable conductor cross-section for main contacts	
 finely stranded with core end processing finely stranded without core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts solid or stranded for auxiliary contacts finely stranded with core end processing finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for main contacts for main contacts for auxiliary contacts 18 8 for auxiliary contacts 20 14 		
 ◆ finely stranded without core end processing connectable conductor cross-section for auxiliary contacts ◆ solid or stranded ◆ finely stranded with core end processing ◆ finely stranded without core end processing ◆ finely stranded without core end processing ◆ for auxiliary contacts ← solid or stranded ← solid or stranded with core end processing ← finely stranded with core end processing ← finely stranded without core end processing ← finely stranded without core end processing ← for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section ◆ for main contacts ◆ for auxiliary contacts 18 8 ◆ for auxiliary contacts 20 14 		
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 2.5 mm²) - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing - for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts - for auxiliary contacts 18 8 - for auxiliary contacts 20 14		
 solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for main contacts for main contacts for auxiliary contacts 18 8 for auxiliary contacts 20 14 	, , , , ,	1 6 mm²
 finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for main contacts for main contacts for auxiliary contacts 18 8 for auxiliary contacts 10.5 1.5 mm² 2x (0.5 2.5 mm²) 2x (20 14) 		
 ◆ finely stranded without core end processing type of connectable conductor cross-sections ◆ for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section ◆ for main contacts ◆ for auxiliary contacts 18 8 ◆ for auxiliary contacts 20 14 		
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing 2x (0.5 2.5 mm²) — finely stranded without core end processing 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14		
 for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 8 • for auxiliary contacts 20 14 		U.5 ∠.5 mm²
 — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts ■ for main contacts ■ for auxiliary contacts 18 8 ■ for auxiliary contacts 2x (0.5 2.5 mm²) 2x (20 14) 		
 — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 2x (20 14) 18 8 • for auxiliary contacts 20 14 	•	2v (0.5 2.5 mm²)
 finely stranded without core end processing for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 18 8 for auxiliary contacts 2x (20 14) 		
• for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 2x (20 14) AWG number as coded connectable conductor cross section 18 8 20 14	•	
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14	•	
 for main contacts for auxiliary contacts 18 8 20 14 	AWG number as coded connectable conductor cross	
• for auxiliary contacts 20 14		18 8
·		
	·	
product function		

 mirror contact according to IEC 60947-4-1 	Yes
suitability for use safety-related switching OFF	Yes
B10 value with high demand rate according to SN 31920	450 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 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
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good

Environment



Confirmation



Vibration and Shock

Transport Information

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=3RT2026-2FB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2FB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2FB40

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

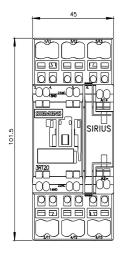
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-2FB40&lang=en

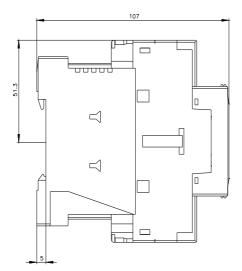
Characteristic: Tripping characteristics, I2t, Let-through current

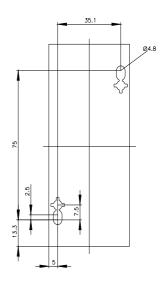
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2FB40/char

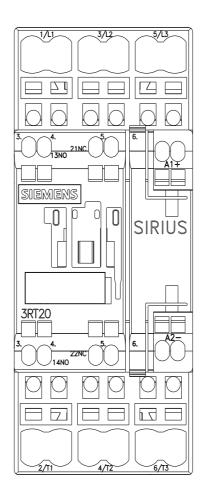
Further characteristics (e.g. electrical endurance, switching frequency)

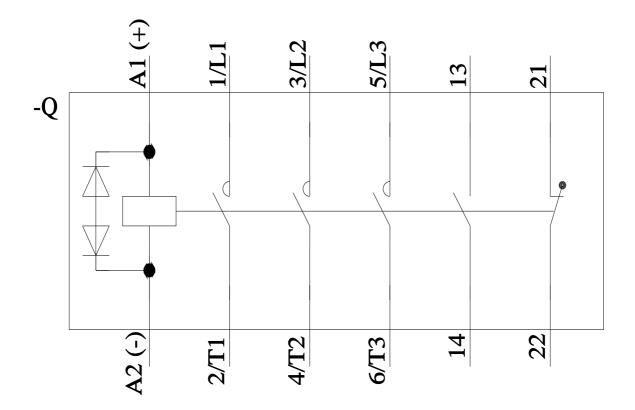
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2FB40&objecttype=14&gridview=view1











last modified: 8/15/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT20262FB40