SIEMENS

Data sheet

3RT2026-1AF00



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 110 V AC, 50 Hz, 3-pole, Size S0 screw terminal

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	4.8 W			
per pole	1.6 W			
power loss [W] for rated value of the current without load current share typical	9.8 W			
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 60947-1	400 V			
shock resistance at rectangular impulse				
• at AC	8,3g / 5 ms, 5,3g / 10 ms			
shock resistance with sine pulse				
● at AC	13,5g / 5 ms, 8,3g / 10 ms			
mechanical service life (switching 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 acc. to IEC 81346-2	Q			
Substance Prohibitance (Date)	01.10.2009 00:00:00			
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			

operational 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-3	
• 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 890 V rated value at AC-4 at 400 V rated value 	15.5 A
 at AC-4 at 400 V rated value at AC-5a up to 690 V rated value 	35.2 A
	20.7 A
 at AC-5b up to 400 V rated value at AC-6a 	20.7 A
— up to 230 V for current peak value n=20 rated	20.2 A
value — up to 400 V for current peak value n=20 rated	20.2 A
value — up to 500 V for current peak value n=20 rated	20.2 A
value — 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 value	10 mm ²
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 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
operational current	
operational current	
• at 1 current path at DC-3 at DC-5	

— 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-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
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	8 kV·A
• up to 400 V for current peak value n=20 rated value	13.9 kV·A
• up to 500 V for current peak value n=20 rated value	17.4 kV·A
up to 690 V for current peak value n=20 rated value	15.4 kV·A
 operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 	5.3 kV·A
	9.3 kV·A
• up to 400 V for current peak value n=30 rated value	11.6 kV·A
 up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	15.5 kV·A
short-time withstand current in cold operating state	13.3 KV A
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 	299 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	128 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	106 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	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
control supply voltage at AC	
• at 50 Hz rated value	110 V
operating range factor control supply voltage rated	
value of magnet coil at AC	0.9 1.1
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC • at 50 Hz	77 V·A

apparent holding power of magnet coil at AC					
• at 50 Hz	9.8 V·A				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.25				
closing delay					
• at AC	8 40 ms				
opening delay					
• at AC	4 16 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				
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	1A				
operational current at DC-12	10.4				
 at 24 V rated value at 48 V rated value 	10 A 6 A				
at 40 V rated value at 60 V rated value	6 A				
at 100 V rated value	3 A				
at 125 V rated value	2 A				
at 220 V rated value	1A				
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	0.64				
— 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 200/208 V rated value — at 220/230 V rated value	5 hp 7.5 hp				
— at 220/230 V rated value — at 460/480 V rated value	7.5 hp 15 hp				
— at 575/600 V rated value	20 hp				
contact rating of auxiliary contacts according to UL	A600 / P600				
Short-circuit protection					
Short-circuit protection design of the fuse link					
Short-circuit protection	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415				

	V, 80 kA)				
— 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 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 standard mounting 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					
type of electrical connection • for main current circuit	screw-type terminals				
 type of electrical connection for main current circuit for auxiliary and control circuit 	screw-type terminals				
 type of electrical connection for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts 	screw-type terminals Screw-type terminals				
 type of electrical connection for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil 	screw-type 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	screw-type terminals Screw-type 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	screw-type terminals Screw-type terminals Screw-type 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	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²)				
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	screw-type terminals Screw-type terminals Screw-type terminals $2x (1 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$ $2x (1 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$				
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	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²				
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 • at AWG cables for main contacts	screw-type terminals Screw-type terminals Screw-type terminals $2x (1 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$ $2x (1 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$				
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	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (1 6 12), 2x (14 8)				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts solid	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 6 mm ²), 1x 10 mm ² 2x (1 2,5 mm ²), 2x (14 8) 1 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts solid • solid • solid	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts solid • solid • stranded • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts solid • solid • stranded • finely stranded with core end processing • stranded • stranded • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts solid • solid • solid • at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts of additional contacts • solid • solid • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing contacts • solid or stranded • finely stranded with core end processing totacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-section for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 1 10 mm ² 0.5 2.5 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts solid • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts e solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 0.5 2.5 mm ² 0.5 2.5 mm ²				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts e solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 1 10 mm ² 2x (0,5 2.5 mm ²), 2x (0,75 2,5 mm ²)				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts ottacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts connectable conductor cross-section for auxiliary contacts • solid • stranded • finely stranded with core end processing contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 1 10 mm ² 2x (0,5 2.5 mm ²) 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²) 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts ornectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • 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 </td <td>screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² 2x (16 12), 2x (14 8) 1 10 mm² 1 10 mm² 1 10 mm² 2x (0,5 2.5 mm²), 2x (0,75 2,5 mm²)</td>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 1 10 mm ² 2x (0,5 2.5 mm ²), 2x (0,75 2,5 mm ²)				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts ottacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts connectable conductor cross-section for auxiliary contacts • solid • stranded • finely stranded with core end processing contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 1 10 mm ² 2 2.5 mm ² 0.5 2.5 mm ² 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²) 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-section 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 en	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 10 mm ²) 2x (1 2,5 mm ²), 2x (2,5 6 mm ²), 1x 10 mm ² 2x (16 12), 2x (14 8) 1 10 mm ² 1 10 mm ² 1 10 mm ² 2 2.5 mm ² 0.5 2.5 mm ² 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²) 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)				
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-section 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 • at AWG cables for auxiliary contacts <t< td=""><td>screw-type terminals Screw-type terminals Screw-type terminals $2x (1 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2$ $2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2$ 2x (16 12), 2x (14 8) $1 10 mm^2$ $1 10 mm^2$ $1 10 mm^2$ $1 10 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14)</td></t<>	screw-type terminals Screw-type terminals Screw-type terminals $2x (1 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2$ $2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2$ 2x (16 12), 2x (14 8) $1 10 mm^2$ $1 10 mm^2$ $1 10 mm^2$ $1 10 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14)				

Safety related data						
product function mir	rror contact acc. to IE	C 60947-4-1	Yes			
B10 value with high demand rate acc. to SN 31920		450 000				
proportion of danger	proportion of dangerous failures					
	d rate acc. to SN 3192	0	40 %			
 with high demar 	nd rate acc. to SN 319	20	73 %			
failure rate [FIT] with l	ow demand rate acc. to	o SN 31920	100 FIT			
T1 value for proof te IEC 61508	T1 value for proof test interval or service life acc. to		20 y			
protection class IP on the front acc. to IEC 60529		IP20				
touch protection on	the front acc. to IEC	60529	finger-sa	afe, for vertical con	tact from the front	
suitability for use						
 safety-related sy 	witching on		Yes			
 safety-related system 	witching OFF		Yes			
Certificates/ approvals	S					
General Product Ap	proval					EMC
		(ل س		<u>KC</u>	EHC	RCM
Declaration of Confe	ormity	Test Certifica	ates		Marine / Shipping	
CE EG-Konf.	<u>Miscellaneous</u>	<u>Type Test Ce</u> ates/Test Re		<u>becial Test Certific-</u> ate	ABS	B UREAU VERITAS
Marine / Shipping					other	
Hoyd's Register Lits	RINA	RMRS RMRS		DINV-GL	<u>Confirmation</u>	<u>Confirmation</u>
Further information Information- and Dov https://www.siemens.co	wnloadcenter (Catalo com/ic10	gs, Brochures,.)			
Industry Mall (Online <u>https://mall.industry.si</u> Cax online generator	e ordering system) emens.com/mall/en/er r	/Catalog/produc	t?mlfb=3R1	<u> 72026-1AF00</u>		
	ion siemene com/www	CAXorder/defau	It asnv2lan	a=en&mlfh=3PT2	126-14F00	
	anuals, Certificates, (g=en&mlfb=3RT2	<u>026-1AF00</u>	

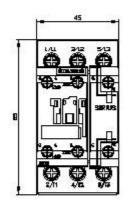
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AF00

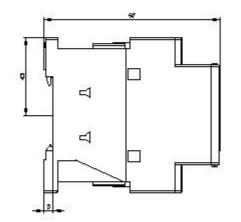
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AF00&lang=en

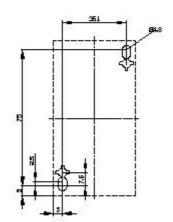
Characteristic: Tripping characteristics, I²t, Let-through current

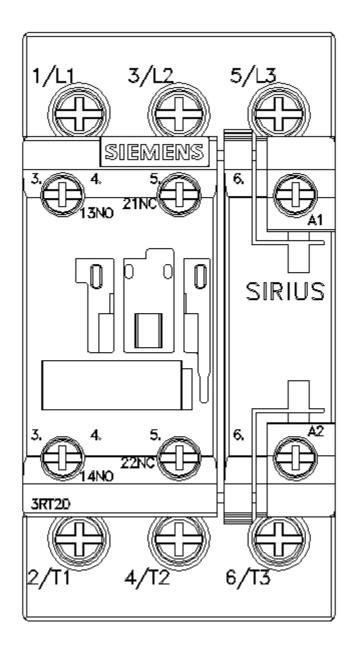
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AF00/char

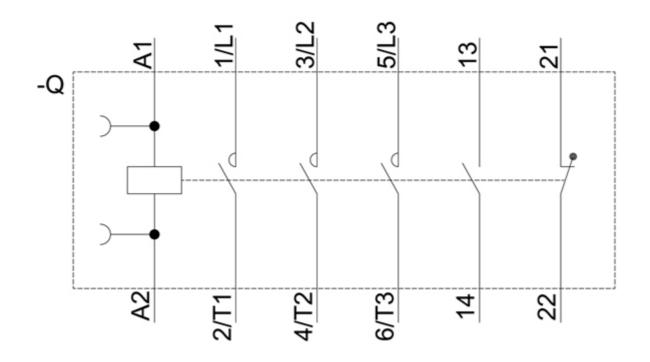
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AF00&objecttype=14&gridview=view1











last modified:

1/18/2021 🖸