## 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				
<ul> <li>function module for communication</li> </ul>	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				
<ul> <li>of main circuit rated value</li> </ul>	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)				
<ul> <li>of contactor typical</li> </ul>	10 000 000			
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000			
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	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				
<ul> <li>during operation</li> </ul>	-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
<ul> <li>at 890 V rated value</li> <li>at AC-4 at 400 V rated value</li> </ul>	15.5 A
<ul> <li>at AC-4 at 400 V rated value</li> <li>at AC-5a up to 690 V rated value</li> </ul>	35.2 A
	20.7 A
<ul> <li>at AC-5b up to 400 V rated value</li> <li>at AC-6a</li> </ul>	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 <sup>2</sup>
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	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— 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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— 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
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— 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
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— 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
<ul> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	5.3 kV·A
	9.3 kV·A
• up to 400 V for current peak value n=30 rated value	11.6 kV·A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	15.5 kV·A
short-time withstand current in cold operating state	13.3 KV A
up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	375 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	299 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	128 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	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				
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>	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					
<ul> <li>at 24 V rated value</li> </ul>	10 A				
• at 48 V rated value	2 A				
• at 60 V rated value	2 A				
<ul> <li>at 110 V rated value</li> </ul>	1 A				
<ul> <li>at 125 V rated value</li> </ul>	0.9 A				
<ul> <li>at 220 V rated value</li> </ul>	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				
<ul> <li>for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> </ul>	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)				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	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				
<ul> <li>side-by-side mounting</li> </ul>	Yes				
height	85 mm				
width	45 mm				
depth	97 mm				
required spacing					
<ul> <li>with side-by-side mounting</li> </ul>					
— forwards	10 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	0 mm				
<ul> <li>for grounded parts</li> </ul>					
— 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				
<ul> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals				
<ul> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals				
<ul> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul>	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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (1 2,5 mm <sup>2</sup> ), 2x (14 8) 1 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 2x (0,5 2.5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 2x (0,5 2.5 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )				
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 mm<sup>2</sup>), 2x (2.5 10 mm<sup>2</sup>) 2x (1 2.5 mm<sup>2</sup>), 2x (2.5 10 mm<sup>2</sup>) 2x (1 2.5 mm<sup>2</sup>), 2x (2.5 6 mm<sup>2</sup>), 1x 10 mm<sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm<sup>2</sup> 1 10 mm<sup>2</sup> 1 10 mm<sup>2</sup> 2x (0,5 2.5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</td>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 2x (0,5 2.5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 2 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )				
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 <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 10 mm <sup>2</sup> ) 2x (1 2,5 mm <sup>2</sup> ), 2x (2,5 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> 2x (16 12), 2x (14 8) 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 1 10 mm <sup>2</sup> 2 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )				
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 <math>2x (1 2.5 mm^2), 2x (2.5 10 mm^2)</math> <math>2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2</math> <math>2x (1 2.5 mm^2), 2x (2.5 6 mm^2), 1x 10 mm^2</math> 2x (16 12), 2x (14 8) <math>1 10 mm^2</math> <math>1 10 mm^2</math> <math>1 10 mm^2</math> <math>1 10 mm^2</math> <math>0.5 2.5 mm^2</math> <math>0.5 2.5 mm^2</math> <math>2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)</math> 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 %			
<ul> <li>with high demar</li> </ul>	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						
<ul> <li>safety-related sy</li> </ul>	witching on		Yes			
<ul> <li>safety-related system</li> </ul>	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,.	)			
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	anuals, Certificates, (			g=en&mlfb=3RT2	<u>026-1AF00</u>	

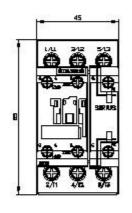
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AF00

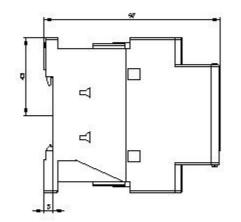
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AF00&lang=en

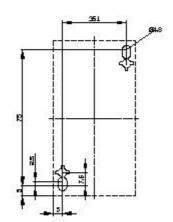
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

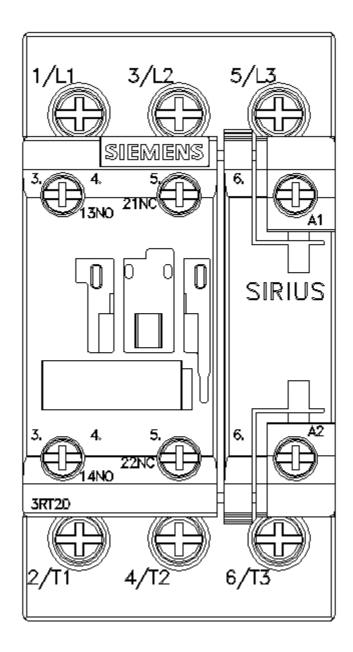
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AF00/char

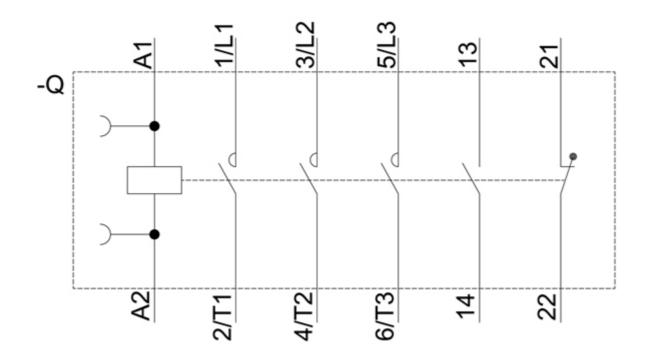
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AF00&objecttype=14&gridview=view1











last modified:

1/18/2021 🖸