## SIEMENS

## Data sheet

## 3RT2026-1AP00



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 230 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
<ul> <li>of auxiliary circuit rated value</li> </ul>	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	40 A
rated value	
• at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	15.5 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	35.2 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	20.7 A
● at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	20.2 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	12.9 A
<ul> <li>at AC-ba         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>	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	
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— 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
operating apparent power at AC-6a	5.3 kV·A
• up to 230 V for current peak value n=30 rated value	
• up to 400 V for current peak value n=30 rated value	9.3 kV·A
• up to 500 V for current peak value n=30 rated value	11.6 kV·A
up to 690 V for current peak value n=30 rated value     short-time withstand current in cold operating state	15.5 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	230 V
operating range factor control supply voltage rated	
value of magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	77.1/ /
• at 50 Hz	77 V·A

inductive neuronfector with cleating neuron of the soil	
inductive power factor with closing power of the coil	0.92
• at 50 Hz	0.82
apparent holding power of magnet coil at AC	9.8 V·A
• at 50 Hz	- 9.0 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
<ul> <li>at 400 V rated value</li> </ul>	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.3 A
<ul> <li>at 220 V rated value</li> </ul>	0.3 A
at 600 V rated value	0.3 A
contact reliability of auxiliary contacts	
	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings full-load current (FLA) for 3-phase AC motor	
UL/CSA ratings	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp]	21 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor	21 A 22 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value	21 A 22 A 2 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	21 A 22 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor	21 A 22 A 2 hp 3 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value	21 A 22 A 2 hp 3 hp 5 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/208 V rated value	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp 15 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp 15 hp 20 hp
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         • at 600 V rated value         yielded mechanical performance [hp]         • for single-phase AC motor         — at 110/120 V rated value         — at 230 V rated value         • for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         Contact rating of auxiliary contacts according to UL	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp 15 hp
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         yielded mechanical performance [hp]         • for single-phase AC motor         — at 110/120 V rated value         — at 230 V rated value         • for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         Contact rating of auxiliary contacts according to UL         Short-circuit protection	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp 15 hp 20 hp
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         yielded mechanical performance [hp]         • for single-phase AC motor         - at 110/120 V rated value         - at 230 V rated value         • for 3-phase AC motor         - at 200/208 V rated value         - at 220/230 V rated value         - at 460/480 V rated value         - at 575/600 V rated value         Contact rating of auxiliary contacts according to UL         Short-circuit protection         design of the fuse link	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp 15 hp 20 hp
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value         • at 600 V rated value         yielded mechanical performance [hp]         • for single-phase AC motor         — at 110/120 V rated value         — at 230 V rated value         • for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         Contact rating of auxiliary contacts according to UL         Short-circuit protection	21 A 22 A 2 hp 3 hp 5 hp 7.5 hp 15 hp 20 hp

	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         • 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 mirror contact acc. to IEC 60947-4-1	Yes	
B10 value with high demand rate acc. to SN 31920	450 000	
proportion of dangerous failures		
• with low demand rate acc. to SN 31920	40 %	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	73 %	
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT	
T1 value for proof test interval or service life acc. to IEC 61508	20 у	
protection class IP on the front acc. to IEC 60529	IP20	
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front	
suitability for use		
<ul> <li>safety-related switching on</li> </ul>	Yes	
<ul> <li>safety-related switching OFF</li> </ul>	Yes	
Certificates/ approvals		
General Product Approval	EMC	
Declaration of Conformity Test Certifica	Ates Marine / Shipping	
EG-Konf. Miscellaneous Miscellaneous Type Test Ce ates/Test Re		
Marine / Shipping	other	
LIRS RINA RINA	Confirmation Confirmation	
Further information         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=3RT2026-1AP00         Cax online generator         http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AP00         Service&Support (Manuals, Certificates, Characteristics, FAQs,)		

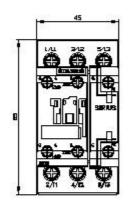
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AP00

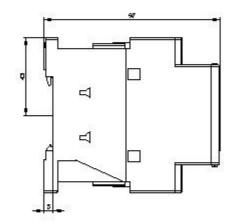
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AP00&lang=en

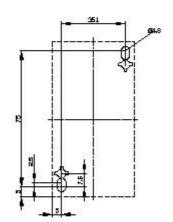
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

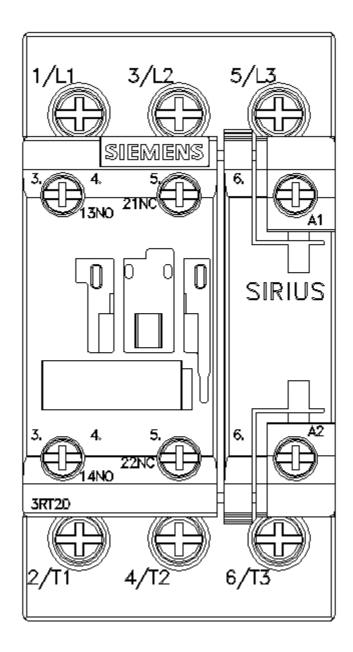
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AP00/char

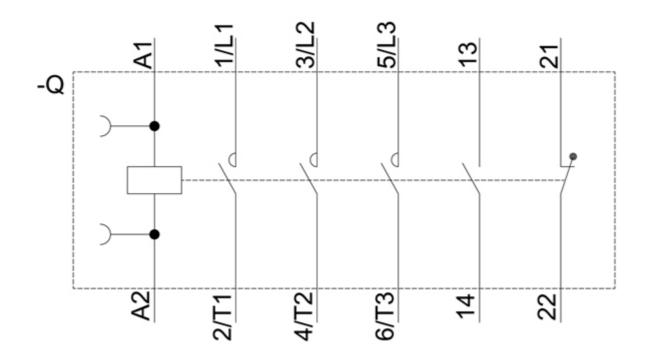
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AP00&objecttype=14&gridview=view1











last modified:

1/18/2021 🖸