SIEMENS

Data sheet

3RT2037-1AP00



Power contactor, AC-3 65 A, 30 kW / 400 V 1 NO + 1 NC, 230 V AC, 50 Hz 3-pole, size S2 screw terminals

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
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	11.4 W
per pole	3.8 W
power loss [W] for rated value of the current without load current share typical	16 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	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
● at AC	18.5g / 5 ms, 11.6g / 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)	01.10.2014 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 	80 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	80 A
— up to 690 V at ambient temperature 60 °C rated value	70 A
• at AC-3	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
 at AC-4 at 400 V rated value 	55 A
 at AC-5a up to 690 V rated value 	70.4 A
 at AC-5b up to 400 V rated value 	53.9 A
• at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	56.9 A
 — up to 400 V for current peak value n=20 rated value 	56.9 A
— up to 500 V for current peak value n=20 rated value	56.9 A
 up to 690 V for current peak value n=20 rated value at AC 62 	47 A
 at AC-6a up to 230 V for current peak value n=30 rated 	38 A
— up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated	38 A
 up to 400 V for current peak value n=30 rated up to 500 V for current peak value n=30 rated 	38 A
value — up to 690 V for current peak value n=30 rated	38 A
value	25 mm²
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm ²
operational current for approx. 200000 operating cycles at AC-4	
 at 400 V rated value 	28 A
 at 690 V rated value 	22 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	55 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	55 A
- at 110 V rated value	45 A
- at 220 V rated value	5 A
— at 440 V rated value — at 600 V rated value	1 A 0.8 A
	0.0 A
with 3 current paths in series at DC-1 at 24 V rated value	
— at 24 V rated value	55 A
— at 24 V rated value — at 110 V rated value	55 A
— at 24 V rated value — at 110 V rated value — at 220 V rated value	55 A 45 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 	55 A 45 A 2.9 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value 	55 A 45 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 	55 A 45 A 2.9 A

at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 	5 000 1/h 800 1/h 400 1/h 700 1/h 200 1/h AC 230 V 0.8 1.1
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	800 1/h 400 1/h 700 1/h 200 1/h AC
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	800 1/h 400 1/h 700 1/h 200 1/h AC
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage	800 1/h 400 1/h 700 1/h 200 1/h
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control	800 1/h 400 1/h 700 1/h 200 1/h
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum	800 1/h 400 1/h 700 1/h
 operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum 	800 1/h 400 1/h 700 1/h
operating frequencyat AC-1 maximumat AC-2 maximum	800 1/h 400 1/h
operating frequencyat AC-1 maximum	800 1/h
operating frequency	5 000 1/h
• at AC	5 000 1/h
no-load switching frequency	
 limited to 60 s switching at zero current maximum 	272 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	336 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	520 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	730 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 1 s switching at zero current maximum 	1 055 A; Use minimum cross-section acc. to AC-1 rated value
up to 40 °C	
short-time withstand current in cold operating state	
 up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	32.8 kV·A 45.3 kV·A
• up to 400 V for current peak value n=30 rated value	26.2 kV·A
• up to 230 V for current peak value n=30 rated value	15.1 kV·A
operating apparent power at AC-6a	
up to 690 V for current peak value n=20 rated value	56.1 kV·A
• up to 500 V for current peak value n=20 rated value	49.2 kV·A
• up to 400 V for current peak value n=20 rated value	39.4 kV·A
 up to 230 V for current peak value n=20 rated value 	22.6 kV·A
operating apparent power at AC-6a	
at 690 V rated value	20 kW
• at 400 V rated value	14.7 kW
at AC-4	
operating power for approx. 200000 operating cycles	
— at 690 V rated value	37 kW
- at 500 V rated value	37 kW
— at 200 V rated value	30 kW
• at AC-5 — at 230 V rated value	18.5 kW
 at AC-2 at 400 V rated value at AC-3 	30 kW
operating power	30 MM
at 600 V rated value	0.35 A
- at 440 V rated value	0.6 A
— at 220 V rated value	25 A
— at 110 V rated value	55 A
— at 24 V rated value	55 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 600 V rated value	0.16 A
— at 440 V rated value	0.27 A
— at 220 V rated value	5 A
— at 110 V rated value	25 A
— at 24 V rated value	55 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 600 V rated value	0.06 A
— at 440 V rated value	0.1 A
 — at 220 V rated value 	1A
— at 110 V rated value	2.5 A

	100.1/1
• at 50 Hz	190 V·A
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
apparent holding power of magnet coil at AC	
• at 50 Hz	16 V·A
inductive power factor with the holding power of the coil	
• at 50 Hz	0.37
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 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 	1 A
operational current at DC-12	
at 24 V rated value	10 A
 at 48 V rated value 	6 A
 at 60 V rated value 	6 A
 at 110 V rated value 	3 A
 at 125 V rated value 	2 A
at 220 V rated value	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	65 A
at 600 V rated value	52 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	5 hp
— at 230 V rated value	10 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	20 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	50 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	

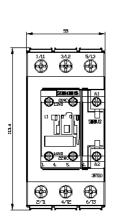
- with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A
- with type of assignment 2 required	(415 V, 80 kA) gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A
 for short-circuit protection of the auxiliary switch 	(415V,80kA) gG: 10 A (500 V, 1 kA)
required	
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	114 mm
width	55 mm
depth	130 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	
Connections/ Terminals type of electrical connection	
Connections/ Terminals type of electrical connection • for main current circuit	screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	screw-type terminals screw-type terminals
Connections/ 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 Screw-type terminals
Connections/ 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 screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections	screw-type terminals screw-type terminals Screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm²), 1x (1 50 mm²)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm²), 1x (1 50 mm²)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid 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 Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid 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 Screw-type terminals $2x (1 \dots 35 \text{ mm}^2), 1x (1 \dots 50 \text{ mm}^2)$ $2x (1 \dots 25 \text{ mm}^2), 1x (1 \dots 35 \text{ mm}^2)$ $2x (18 \dots 2), 1x (18 \dots 1)$
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals $2x (1 \dots 35 \text{ mm}^2), 1x (1 \dots 50 \text{ mm}^2)$ $2x (1 \dots 25 \text{ mm}^2), 1x (1 \dots 35 \text{ mm}^2)$ $2x (18 \dots 2), 1x (18 \dots 1)$
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing • finely contacts • finely conductor cross-section for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts	screw-type terminals screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 1 35 mm ²
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • solid or stranded with core end processing • solid or stranded with core end processing • solid or stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded	screw-type terminals screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 1 35 mm ² 0.5 2.5 mm ²
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing • solid or stranded • solid or stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • solid or stranded • finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 1 35 mm ² 0.5 2.5 mm ²
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • 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 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 1 35 mm ² 0.5 2.5 mm ²
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • 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 • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections 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 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 1 35 mm ² 0.5 2.5 mm ²
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for main contacts • 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 35 mm ²), 1x (1 50 mm ²) 2x (1 25 mm ²), 1x (1 35 mm ²) 2x (18 2), 1x (18 1) 1 35 mm ² 0.5 2.5 mm ² 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • 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 - solid or stranded - solid or stranded - solid or stranded - finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts of finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for main contacts • 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 • finely stranded with core end processing • finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts e finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • 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 • at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14)
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts of finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing 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 • at AWG cables for auxiliary contacts - finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for main contacts <td>screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14) 18 1</td>	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14) 18 1
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts e finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • 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 • at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14) 18 1

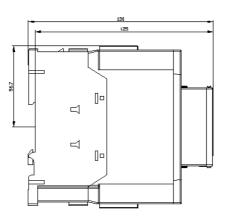
 with high deman 	manu rate acc. to Sh		00 000			
with low demandwith high demand		131920 10	00 000			
 with high deman 		20 40	0/_			
	with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920		%			
with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920						
product function positively driven operation acc. to IEC			100 FIT			
60947-5-1						
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			
			finger-safe, for vertical contact from the front			
suitability for use						
 safety-related sw 	0	Yes	S			
ertificates/ approvals						
General Product App	oroval				EMC	
	CCC	(UL)	<u>KC</u>	EHC	RCM	
Functional Safety/Safety of Machinery	Declaration of Con	formity	Test Certificates		Marine / Shipping	
<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK Declaration of Conformity	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS	
Marine / Shipping						
B U R E A U VERITAS	Lloyd's Register us	PRS	RINA	RMRS	DNV-GL	
other						
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further information Information- and Dow https://www.siemens.co Industry Mall (Online https://mall.industry.sie Cax online generator	om/ic10 ordering system) emens.com/mall/en/er on.siemens.com/WW nuals, Certificates,	n/Catalog/product?mlft //CAXorder/default.asp Characteristics, FAQ	x?lang=en&mlfb=3RT20 s,)	<u>137-1AP00</u>		

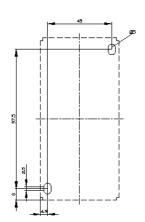
Image database (product images, 2D dimension drawings, 3D models, device circuit on http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2037-1AP00&lang=en

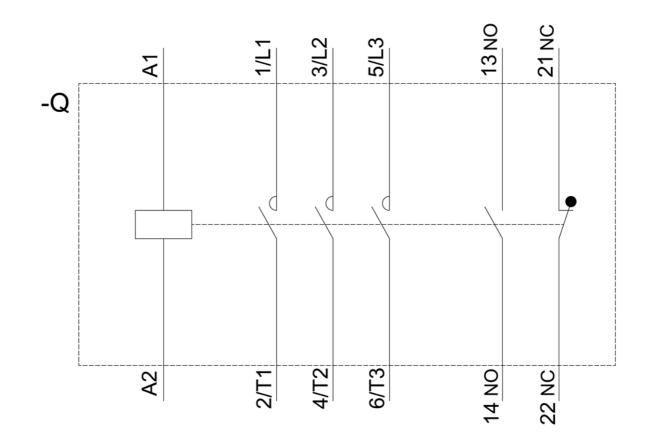
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-1AP00/char

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









last modified:

12/21/2020 🖸