SIEMENS

Data sheet 3RT2017-1AP02



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NC, screw terminal, size: S00 $\,$

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
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 	1.5 W
 at AC in hot operating state per pole 	0.5 W
 without load current share typical 	1.5 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.233 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	39.6 kg
global warming potential [CO2 eq] during manufacturing	1.18 kg
global warming potential [CO2 eq] during mandacturing	38.5 kg
global warming potential [CO2 eq] after end of life	-0.155 kg
Main circuit	-0.100 kg
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	3
at AC-3 rated value maximum	690 V
at AC-3 rated value maximum at AC-3e rated value maximum	690 V
operational current	090 V
•	22 A
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	22 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	22 A
value	
— up to 690 V at ambient temperature 60 °C rated	20 A
value	
• at AC-3	42.4
— at 400 V rated value	12 A
— at 500 V rated value — at 690 V rated value	9.2 A
— at 690 v rated value ■ at AC-3e	6.7 A
at AC-3e — at 400 V rated value	12 A
— at 400 V rated value — at 500 V rated value	9.2 A
— at 690 V rated value — at 690 V rated value	6.7 A
at AC-4 at 400 V rated value	8.5 A
	19.4 A
at AC-5a up to 690 V rated valueat AC-5b up to 400 V rated value	9.9 A
at AC-5b up to 400 v rated value at AC-6a	9.9 A
— up to 230 V for current peak value n=20 rated value	7.2 A
— up to 400 V for current peak value n=20 rated value	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
— up to 690 V for current peak value n=20 rated value	6.7 A
• at AC-6a	0.171
— up to 230 V for current peak value n=30 rated value	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated	4 mm²
value	
operational current for approx. 200000 operating cycles at	
AC-4	44.0
• at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
operational current	
at 1 current path at DC-1 at 24 V roted value.	20. A
— at 24 V rated value	20 A
— at 60 V rated value	20 A 2.1 A
— at 110 V rated value — at 220 V rated value	2.1 A 0.8 A
— at 220 V rated value — at 440 V rated value	0.8 A 0.6 A
— at 600 V rated value — at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	0.0 A
with 2 current paths in series at DC-1 — at 24 V rated value	20 A
— at 24 v rated value — at 60 V rated value	20 A
— at 60 V rated value — at 110 V rated value	20 A 12 A
— at 110 V rated value — at 220 V rated value	1.6 A
— at 440 V rated value — at 440 V rated value	0.8 A
	0.8 A 0.7 A
— at 600 V rated value	V.I A

with a summer mather in a 1 1 1 20 4	
with 3 current paths in series at DC-1	20.4
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 60 V rated value	0.5 A
— at 110 V rated value	0.15 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	0.35 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
operating power	
• at AC-3	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
• at AC-3e	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-	O.O RVV
4	
at 400 V rated value	2 kW
at 690 V rated value	2.5 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	2.8 kVA
 up to 400 V for current peak value n=20 rated value 	4.9 kVA
• up to 500 V for current peak value n=20 rated value	6.2 kVA
• up to 690 V for current peak value n=20 rated value	8 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	1.9 kVA
up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value	3.3 kVA
up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value	4.1 kVA
up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value	5.7 kVA
short-time withstand current in cold operating state up to	C. I KV/X
40 °C	000 A-11-2
Ilmited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 10 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	10 000 1/h
operating frequency	
-t AO 4 i	4 000 4 11
at AC-1 maximum	1 000 1/h
• at AC-1 maximum • at AC-2 maximum	750 1/h

Control Supply Voltage of the control supply voltage of Control supply voltage at AC 230 V	• at AC-4 maximum	250 1/h
Spee of voltage of the control supply voltage at AC 230 V		
control supply voltage at AC		AC
* ±16 DF treated value		
### 160 Hz rated value coperating range factor control supply voltage rated value of insignate coll at AC		230 V
magnet coil at AC		
magnet coil at AC	operating range factor control supply voltage rated value of	
a + 160 Hz		
apparent pick-up power of magnet coil at AC	● at 50 Hz	0.8 1.1
* at 60 Hz 33 VA 33 VA 33 VA 33 VA 33 VA 33 VA 34 VA 34 VA 34 VA 35 VA 3	• at 60 Hz	0.85 1.1
• al 60 Hz	apparent pick-up power of magnet coil at AC	
Inductive power factor with closing power of the coil	● at 50 Hz	
• at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 50 Hz • at 60 Hz		33 VA
apparent holding power of magnet coil at AC		
• at 50 Hz		0.75
• at 60 Hz		
Inductive power factor with the holding power of the coil		
• at 50 Hz • at 60 Hz • at AC closing delay • at AC opining delay • at AC opining delay • at AC arching time • at AC arching time • at AC arching time • at AC arching time • at AC arching time • at AC arching time • at AC arching time • at AC arching time • at AC availiary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum • at 400 V rated value • at 500 V rated value • at 600 V rated		4.4 VA
• at 80 Hz closing delay • at AC opening delay • at AC opening delay • at AC ot A 15 ms arching time 10 15 ms control version of the switch operating mechanism control to Proporational current at AC-12 maximum 10 A 10		0.05
elat AC 935 ms opening delay o at AC 415 ms arcing time 1015 ms Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-18 maximum 10 A operational current at AC-19 maximum 10 A operational current at DC-19 operati		
• at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 800 V rated value • at 100 V rated value • at 600 V rated value •		0.25
e at AC 415 ms arcing time 1015 ms Slandard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact for auxiliary contacts 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 2 A • at 500 V rated value 1 A • at 400 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 1 A • at 400 V r		0. 25 mg
• at AC 4 15 ms arcing time 10 15 ms control version of the switch operating mechanism Slandard A1 - A2 Auxiliary circuit 10 ms number of NC contacts for auxiliary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 maximum 10 A operational current at AC-15 maximum 10 A • at 250 V rated value 2 A • at 450 V rated value 1 A • at 80 V rated value 1 A • at 42 V rated value 6 A • at 450 V rated value 6 A • at 150 V rated value 3 A • at 150 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 220 V rated value 0.3 A • at 125 V rated value 0.9 A • at 125 V rated value 0.9 A		8 30 IIIS
Auxiliary circuit		4 15 mg
Control version of the switch operating mechanism Standard A1 - A2		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15		
number of NC contacts for auxillary contacts instantaneous contact contact contact contact contact contact contact contact so contact contac		Ottanuary AT - AZ
Operational current at AC-12 maximum 10 A		1
Operational current at AC-15 at 230 V rated value		
 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 20 V rated value at 60 V rated value at 48 V rated value at 48 V rated value at 48 V rated value at 60 V rated value <l< td=""><td>operational current at AC-12 maximum</td><td>10 A</td></l<>	operational current at AC-12 maximum	10 A
	operational current at AC-15	
at 500 V rated value at 690 V rated value at 24 V rated value at 24 V rated value at 25 V rated value at 20 V rated value at 48 V rated value at 48 V rated value at 20 V rated value at 30 V rated value at 40 V rated value at 20 V rated value at 20 V rated value at 110 V rated value at 20 V rated value at 600 V rated value	• at 230 V rated value	10 A
• at 690 V rated value 10 A operational current at DC-12 • at 24 V rated value 6 A • at 48 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 11 A • at 600 V rated value 10 A • at 48 V rated value 10 A • at 48 V rated value 10 A • at 48 V rated value 10 A • at 110 V rated value 11 A • at 110 V rated value 11 A • at 120 V rated value 11 A • at 600 V rated value 11 A	• at 400 V rated value	3 A
Operational current at DC-12	• at 500 V rated value	2 A
 at 24 V rated value at 48 V rated value 6 A at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 10 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value<!--</td--><td>• at 690 V rated value</td><td>1 A</td>	• at 690 V rated value	1 A
• at 48 V rated value 6 A • at 60 V rated value 3 A • at 110 V rated value 2 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 • at 24 V rated value 2 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 3 A • at 24 V rated value 4 A • at 48 V rated value 5 A • at 110 V rated value 6 A • at 110 V rated value 7 A • at 125 V rated value 9 A • at 122 V rated value 9 A • at 220 V rated value 9 A • at 220 V rated value 9 A • at 600 V rated value 9 A • at 480 V rated value 9 A • at 480 V rated value 9 A • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor	operational current at DC-12	
• at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 • at 24 V rated value 10 A • at 48 V rated value 2 A • at 110 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 2 A • at 110 V rated value 1 A • at 120 V rated value 1 A • at 120 V rated value 1 A • at 125 V rated value 1 A • at 480 V rated value 1 A • at 600 V rated value 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 11 A yielded mechanical performance [hp] • for single-phase AC motor	• at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 200 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 70 V rated value<!--</td--><td>• at 48 V rated value</td><td>6 A</td>	• at 48 V rated value	6 A
 at 125 V rated value at 220 V rated value 1 A at 600 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 3 A at 600 V rated value at 3 A at 600 V rated value at 480 V rated value at 600 V rated value at 7 A at 8 A	• at 60 V rated value	6 A
 at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 125 V rated value at 140 V rated value at 140 V rated value at 150 V rated value at 11 A at 11 A yielded mechanical performance [hp] for single-phase AC motor 	• at 110 V rated value	3 A
at 4600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated	• at 125 V rated value	2 A
operational current at DC-13	• at 220 V rated value	1 A
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value 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 at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor 		0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value <li< td=""><td>operational current at DC-13</td><td></td></li<>	operational current at DC-13	
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value <l< td=""><td>at 24 V rated value</td><td></td></l<>	at 24 V rated value	
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 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 at 600 V rated value at 600 V rated value at 7 A yielded mechanical performance [hp] for single-phase AC motor 	at 48 V rated value	2 A
at 125 V rated value at 220 V rated value at 600 V rated value o.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 at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor	• at 60 V rated value	2 A
 at 220 V rated value at 600 V rated value 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 at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor 	• at 110 V rated value	
at 600 V rated value 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 11 A at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor		
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 • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor	• at 220 V rated value	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor		1 faulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor 		
◆ at 600 V rated value yielded mechanical performance [hp] ◆ for single-phase AC motor 11 A	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor		
for single-phase AC motor		11 A
— at 110/120 V rated value 0.5 hp		
	— at 110/120 V rated value	0.5 hp

1000 V	
— at 230 V rated value	2 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	7.5 hp
— at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	58 mm
width	45 mm
depth	73 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	10 Hilli
— forwards	10 mm
	10 mm
— upwards	
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
• of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for main contacts	2x (20 16), 2x (18 14), 2x 12
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 2x 12
FIGURE CODICS for administry contracts	27 (20 10), 27 (10 17), 27 12
AWG number as coded connectable conductor cross	

section	
• for main contacts	20 12
for auxiliary contacts	20 12
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947-5-1 	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	



General Product Approval







<u>KC</u>



EMV Test Certificates Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping other











<u>Miscellaneous</u>

Confirmation

other Railway Environment

Confirmation

Special Test Certificate



Environmental Confirmations

Further informatior

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2017-1AP02

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1AP02

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AP02

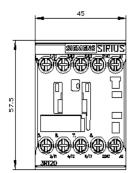
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RT2017-1AP02&lang=en

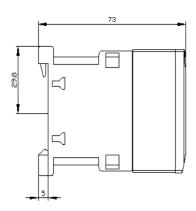
Characteristic: Tripping characteristics, I2t, Let-through current

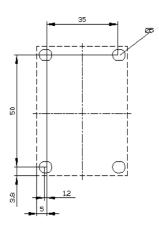
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AP02/char

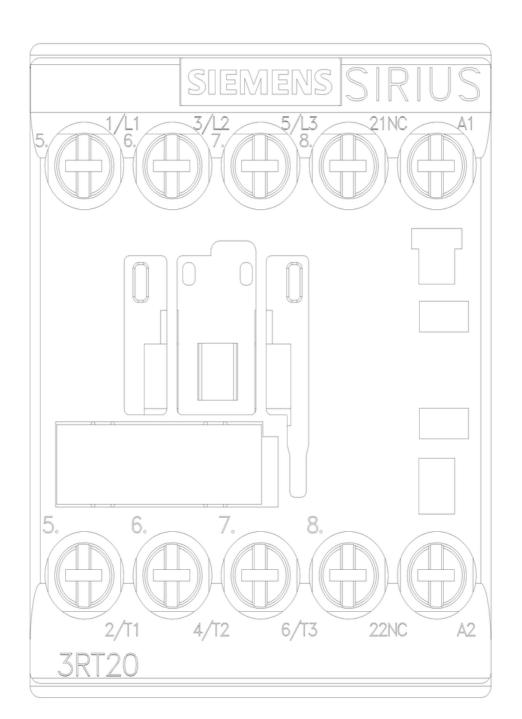
Further characteristics (e.g. electrical endurance, switching frequency)

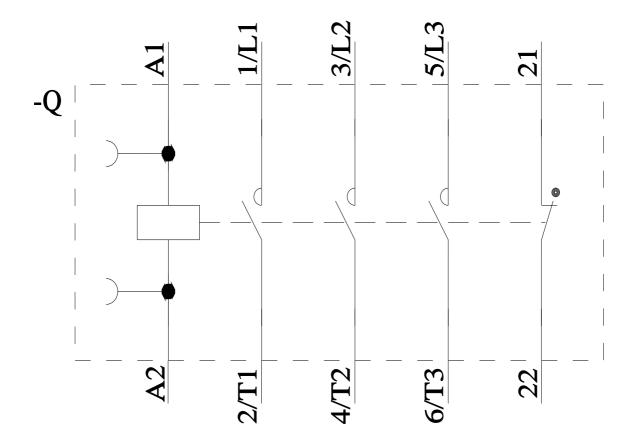
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1AP02&objecttype=14&gridview=view1











last modified: 4/17/2025 🖸