SIEMENS

Data sheet 3RT2026-1AG20



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0 $\,$

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.7 W
 at AC in hot operating state per pole 	1.9 W
without load current share typical	2.7 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	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 (operating 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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.416 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	74.2 kg
Global Warming Potential [CO2 eq] during manufacturing	1.9 kg
Global Warming Potential [CO2 eq] during operation	72.4 kg
Global Warming Potential [CO2 eq] after end of life	-0.117 kg
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
 at AC-3e rated value maximum 	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	40 A
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ 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
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
at AC-4 at 400 V rated value	15.5 A
at AC-5a up to 690 V rated value	35.2 A
at AC-5b up to 400 V rated valueat AC-6a	20.7 A
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
— up to 500 V for current peak value n=30 rated value	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated	10 mm²
operational current for approx. 200000 operating cycles at	
AC-4 • at 400 V rated value	9 A
at 400 V rated value at 690 V rated value	9 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A

 with 3 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 60 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
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 60 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 — at 500 V rated value	11 kW 11 kW
— at 500 V rated value — at 690 V rated value	11 kW
• at AC-3e	11 NVV
— 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	4.411
at 400 V rated valueat 690 V rated value	4.4 kW 7.7 kW
operating apparent power at AC-6a	1.1 NVV
• up to 230 V for current peak value n=20 rated value	8 kVA
up to 400 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value	13.9 kVA
up to 500 V for current peak value n=20 rated value	17.4 kVA
• up to 690 V for current peak value n=20 rated value	15.4 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	5.3 kVA
• up to 400 V for current peak value n=30 rated value	9.3 kVA
• up to 500 V for current peak value n=30 rated value	11.6 kVA
• up to 690 V for current peak value n=30 rated value	15.5 kVA
short-time with stand current in cold operating state up to 40 $^{\circ}\text{C}$	
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	300 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	144 A; Use minimum cross-section acc. to AC-1 rated value
Ilimited to 60 s switching at zero current maximum	118 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	5 000 1/b
• at AC	5 000 1/h

operating frequency • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at BC Har rated value • at 50 Hz rated value • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz • at AC • at 60 Hz • at AC • at 60 Hz • at 60 Hz • at AC • at 60 Hz • at AC • at 60 Hz •		
at AC-2 maximum 750 1/h 750 1/h		
• at AC-3 maximum • at AC-3 maximum • at AC-3 maximum 250 f/m • at AC-3 maximum 250 f/m Control circuit Control Vypo of Voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60		1 000 1/h
* at AC-3e maximum	at AC-2 maximum	750 1/h
	at AC-3 maximum	750 1/h
Control citroutil Control AC type of voltage of the control supply voltage AC a 16 OHz rated value 110 V a 16 OHz rated value 110 V a 16 OHz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC 8 16 OHz a 16 OHz 0.8 1.1 apparent plck-up power of magnet coil at AC 81 KA a 16 OHz 79 VA inductive power factor with closing power of the coil 41 50 Hz a 15 OHz 0.74 a 15 OHz 0.74 a 15 OHz 8.5 VA inductive power factor with the holding power of the coil 8.5 VA inductive power factor with the holding power of the coil 8.5 VA inductive power factor with the holding power of the coil 9.25 a 15 OHz 0.25 a 16 OHz 0.25 a 16 OHz 0.28 closing dolay 8.4 GO Hz a 17 OF MS 8.4 Moms opening dolay 8.4 Moms a 18 OF MS 8.4 Moms opening time 10 10 ms	at AC-3e maximum	750 1/h
type of voltage of the control supply voltage at AC	at AC-4 maximum	250 1/h
Control supply voltage at AC	Control circuit/ Control	
• al 60 Hz rated value	type of voltage of the control supply voltage	AC
• at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz •	control supply voltage at AC	
Operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 0.8	at 50 Hz rated value	110 V
magnet coil af AC ■ at 60 Hz ■ at AC ■ an 40 ms ■ an 40	at 60 Hz rated value	110 V
• at 50 Hz • at 60 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz		
		0.0 4.4
apparent pick-up power of magnet coil at AC		
		0.65 1.1
• at 60 Hz		04.1/A
a d t 50 Hz		
• at 50 Hz • at 60 Hz • at 60 Hz paperent holding power of magnet coil at AC • at 50 Hz • at 60 Hz • at AC • at 4C •		19 VA
		0.72
apparent holding power of magnet coil at AC	****	
• at 50 Hz • at 60 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz closing delay • at AC • arcing time • arcing time • to NC contacts for auxiliary contacts instantaneous contact • number of NC contacts for auxiliary contacts instantaneous contact • operational current at AC-12 maximum • 10 A • operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 4500 V rated value • at 500 V rated value • at 6500 V rated value • at 690 V rated value • at 690 V rated value • at 480 V rated value • at 60 V rated value		0.17
• at 60 Hz		10.5 VA
inductive power factor with the holding power of the coil		
e at 50 Hz e at 60 Hz e at 60 Hz closing delay e at AC opening delay e at AC opening delay e at AC arcing time control version of the switch operating mechanism number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact 1 0perational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 2 A A A A A A A A A A A A A A A A A A A		0.5 VA
e at 60 Hz 0.28 closing delay e at AC 840 ms opening delay e at AC 416 ms arcing time 1010 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 e at 230 V rated value 3 A 3 A 4 4 6 4 4 0 V rated value 2 A 4 6 9 0 V rated value 1 A 6 0 0 V rated value 1 A 6 0 0 V rated value 6 A 6 A 6 A 6 6 A 6		0.25
e at AC		
● 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 number of NO contacts for auxiliary contacts instantaneous contact 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 operational current at DC-12 ● at 24 V rated value 6 A ● at 48 V rated value 6 A ● at 110 V rated value 6 A ● at 110 V rated value 7 A ● at 125 V rated value 7 A ● at 125 V rated value 9 A ● at 125 V rated value 1 A ● at 120 V rated value 1 A ● at 110 V rated value 1 A ● at 110 V rated value 1 A ● at 120 V rated value 1 A ● at 24 V rated value 1 A ● at 48 V rated value 1 A ● at 48 V rated value 1 A ● at 48 V rated value 2 A		0.20
e at AC		8 40 ms
■ at AC arcing time		
arcing time		4 16 ms
Control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 48 V rated value • at 220 V rated value • at 800 V rated value		
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 48 V rated value • at 1220 V rated value • at 600 V rated value • at 220 V rated value • at 3 A • at 500 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 24 V rated value • at 220 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value	-	Standard A1 - A2
contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 10 A • at 10 A • at 48 V rated value • at 600 V rated value	Auxiliary circuit	
contact operational current at AC-12 maximum 10 A operational current at AC-15		1
operational current at AC-15 10 A e at 230 V rated value 3 A e at 500 V rated value 2 A e at 690 V rated value 1 A operational current at DC-12 10 A e at 24 V rated value 6 A e at 48 V rated value 6 A e at 110 V rated value 3 A e at 125 V rated value 2 A e at 220 V rated value 1 A e at 600 V rated value 0.15 A operational current at DC-13 10 A e at 48 V rated value 2 A e at 48 V rated value 2 A e at 60 V rated value 2 A e at 60 V rated value 2 A	•	1
 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 1 A operational current at DC-12 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 24 V rated value at 25 V rated value at 26 V rated value at 27 V rated value at 28 V rated value at 29 V rated value at 20 V rated value at 20 V rated value at 20 V rated value at 24 V rated value at 25 V rated value at 26 V rated value at 27 V rated value at 28 V rated value at 29 V rated value at 20 V rated value at 20 V rated value at 20 V rated value 		10 A
 at 400 V rated value at 500 V rated value 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 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 10 A at 24 V rated value 2 A at 48 V rated value 2 A at 60 V rated value 2 A	operational current at AC-15	
 at 500 V rated value at 690 V rated value 1 A operational current at DC-12 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 600 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value 		
● at 690 V rated value operational current at DC-12 ● 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 600 V rated value ● at 600 V rated value ● at 800 V rated value ● at 24 V rated value ● at 24 V rated value ● at 24 V rated value ● at 48 V rated value ● at 60 V rated value		
operational current at DC-12 • at 24 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 3 A • at 110 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 0.15 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A		
 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 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 		1 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 24 V rated value at 48 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 220 V rated value at 600 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 110 V rated value at 125 V rated value 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 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 60 V rated value 		
 at 220 V rated value 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 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value 2 A at 60 V rated value 		
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 24 V rated value at 48 V rated value at 60 V rated value 2 A 		U.15 A
 at 48 V rated value at 60 V rated value 2 A 2 A 	·	40.4
• at 60 V rated value 2 A		
at 110 V rated value		
	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)	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

21 A 22 A
22 A
2 hp
3 hp
5 hp
7.5 hp
15 hp
20 hp
A600 / P600
gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)
gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
gG: 10 A (500 V, 1 kA)
95. 10.11(000 4, 1 101)
±/ 180° rotation possible on vertical mounting surfaces can be tilted forward and
+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
85 mm
45 mm
97 mm
57 111111
40
10 mm
10 mm
10 mm
0 mm
10 mm
10 mm
6 mm
10 mm
10 mm
10 mm
10 mm
6 mm
screw-type terminals
screw-type terminals
Screw-type terminals
Screw-type terminals
2x (1 2.5 mm²), 2x (2.5 10 mm²)
2x (1 2.5 mm²), 2x (2.5 10 mm²)
2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
2x (1 2.3 min), 2x (2.3 6 min), 1x 16 min 2x (16 12), 2x (14 8)
ΔΛ (10 12), ΔΛ (1 1 U)
4 40 mm²
1 10 mm²
1 10 mm²
1 10 mm²

 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 AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts for auxiliary contacts 16 8 for auxiliary contacts 20 14 		
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2 x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts • miror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • suitability for use safety-related switching OFF service life maximum 20 a test wear-related service life necessary Proportion of dangerous failures • with hold demand rate according to SN 31920 • with high demand rate according to SN 31920 • wi	 solid or stranded 	0.5 2.5 mm²
• for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for main contacts • for main contacts • for auxiliary contacts Safety related data Product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • with or safety-related switching OFF	· · · ·	0.5 2.5 mm²
- solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function suitablity for use safety-related switching OFF Yes survice life maximum 20 a test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 19324 B10 value with high demand rate according to SN 31920 100 FIT 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to IEC 61508-2 Type A Electrical Safety protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	type of connectable conductor cross-sections	
- finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • 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 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failur	 for auxiliary contacts 	
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety rolated data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • suitable for safety function • suitable for 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 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary Yes lec 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function suitablity for use safety-related switching OFF yes service life maximum 20 a test wear-related service life necessary yres proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 3192	 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
section • for main contacts • for auxiliary contacts • for auxiliary contacts 20 14 Safety rolated data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • with row safety-related switching OFF service life maximum 20 a test wear-related service life necessary • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
• for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitablify for use safety function suitability for use safety related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 aliuro rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front finger-safe, for vertical contact from the front		
Product function In mirror contact according to IEC 60947-4-1 In positively driven operation according to IEC 60947-5-1 In our suitable for safety function It is service life maximum It is war-related service life necessary Proportion of dangerous failures It with low demand rate according to SN 31920 If with high demand rate according to SN 31920 If it is war-related with high demand rate according to SN 31920 If it is war-related service life necessary Proportion of dangerous failures If it is war-related service life necessary If it is war	• for main contacts	16 8
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function Suitability for use safety-related switching OFF Service life maximum 20 a test wear-related service life necessary Proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front ves Yes Yes 100 100 100 100 100 100 100 1	for auxiliary contacts	20 14
 mirror contact according to IEC 60947-4-1 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 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front 	Safety related data	
positively driven operation according to IEC 60947-5-1 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 with high demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front front index of the front according to IEC 60529 finger-safe, for vertical contact from the front	product function	
• suitable for safety function 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 • with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front fyes 100 40 % 40 % 40 % 100 000 100 FIT 30 100 FIT	 mirror contact according to IEC 60947-4-1 	Yes
suitability for use safety-related switching OFF service life maximum 20 a test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	 positively driven operation according to IEC 60947-5-1 	No
test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	suitable for safety function	Yes
rest wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	suitability for use safety-related switching OFF	Yes
proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 fall we with high demand rate according to SN 31920 1 000 000 1 00 FIT 3 overdimensioning according to ISO 13849-1 3 ryes IP20 finger-safe, for vertical contact from the front	service life maximum	20 a
with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	test wear-related service life necessary	Yes
 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front 	proportion of dangerous failures	
B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 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	 with low demand rate according to SN 31920 	40 %
failure rate [FIT] with low demand rate according to SN 31920 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	 with high demand rate according to SN 31920 	73 %
ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	B10 value with high demand rate according to SN 31920	1 000 000
device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		100 FIT
overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	ISO 13849	
safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	device type according to ISO 13849-1	3
safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	overdimensioning according to ISO 13849-2 necessary	Yes
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	IEC 61508	
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	safety device type according to IEC 61508-2	Type A
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	Electrical Safety	
	protection class IP on the front according to IEC 60529	IP20
Approvals Certificates	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
	Approvals Certificates	

General Product Approval





Confirmation





<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping









Miscellaneous

other

Confirmation

other

Railway

Environment



Further information

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=3RT2026-1AG20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AG20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AG20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

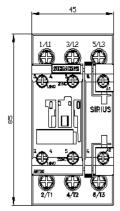
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AG20&lang=en

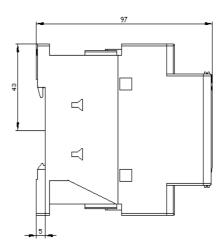
Characteristic: Tripping characteristics, I²t, Let-through current

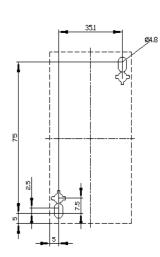
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AG20/char

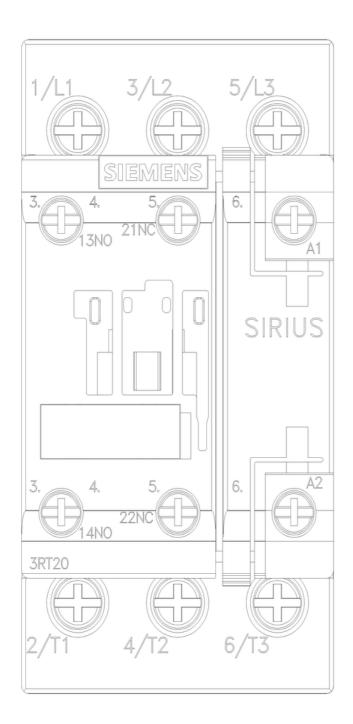
Further characteristics (e.g. electrical endurance, switching frequency)

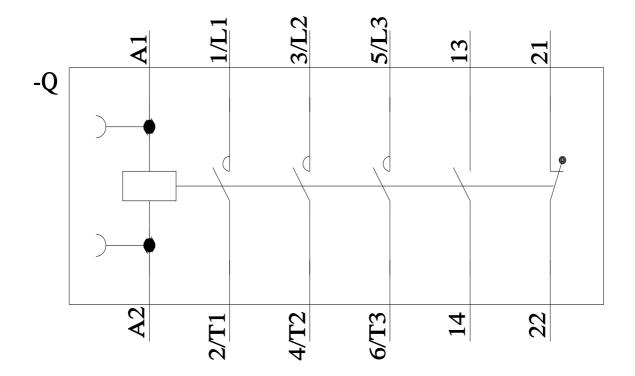
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AG20&objecttype=14&gridview=view1











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