SIEMENS

Data sheet

3RT2047-1AG20



power contactor, AC-3e/AC-3, 110 A, 55 kW / 400 V, 3-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S3 $\,$

4/9 6/10	
product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S3
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 	23.7 W
 at AC in hot operating state per pole 	7.9 W
 without load current share typical 	25 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	10.3g / 5 ms, 6,.g / 10 ms
shock resistance with sine pulse	
• at AC	16.3g / 5 ms, 10.g / 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)	07/17/2017
Weight	1.712 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	405 kg
global warming potential [CO2 eq] during manufacturing	7.66 kg
global warming potential [CO2 eq] during operation	399 kg
global warming potential [CO2 eq] after end of life	-1.19 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	1 000 V
• at AC-3e rated value maximum	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	130 A
— up to 690 V at ambient temperature 40 °C rated value	130 A
— up to 690 V at ambient temperature 60 °C rated value	110 A
• at AC-3	
— at 400 V rated value	110 A
— at 500 V rated value	110 A
— at 690 V rated value	98 A
— at 1000 V rated value	30 A
• at AC-3e	
— at 400 V rated value	110 A
— at 500 V rated value	110 A
— at 690 V rated value	98 A
— at 1000 V rated value	30 A
• at AC-4 at 400 V rated value	97 A
at AC-5a up to 690 V rated value	120 A
 at AC-5b up to 400 V rated value at AC-6a	110 A
 — up to 230 V for current peak value n=20 rated value 	98 A
 — up to 400 V for current peak value n=20 rated value 	98 A
— up to 500 V for current peak value n=20 rated value	98 A
 — up to 690 V for current peak value n=20 rated value at AC-6a 	98 A
 — up to 230 V for current peak value n=30 rated value 	65.3 A
— up to 400 V for current peak value n=30 rated value	65.3 A
— up to 500 V for current peak value n=30 rated value	65.3 A
— up to 690 V for current peak value n=30 rated value	65.3 A
minimum cross-section in main circuit at maximum AC-1 rated value	50 mm ²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	46 A
at 690 V rated value	36 A
operational current	
at 1 current path at DC-1	400 A
— at 24 V rated value — at 60 V rated value	100 A 60 A
— at 50 V rated value — at 110 V rated value	9 A
— at 220 V rated value	2 A
— at 440 V rated value	2 A 0.6 A
— at 600 V rated value	0.4 A
with 2 current paths in series at DC-1	
-	
	100 A
— at 24 V rated value — at 60 V rated value	100 A 100 A
— at 24 V rated value — at 60 V rated value — at 110 V rated value	100 A 100 A 100 A

— at 440 V rated value	1.8 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	80 A
— at 440 V rated value	4.5 A
— at 600 V rated value	2.6 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	40 A
— at 60 V rated value	6 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.15 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	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	7 A
— at 440 V rated value	0.42 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	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	35 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.35 A
operating power	
• at AC-2 at 400 V rated value	55 kW
• at AC-3	
— at 230 V rated value	30 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	90 kW
— at 1000 V rated value	37 kW
• at AC-3e	
— at 230 V rated value	30 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	90 kW
— at 1000 V rated value	37 kW
operating power for approx. 200000 operating cycles at AC- 4	
at 400 V rated value	24.3 kW
at 690 V rated value	32.9 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	39 kVA
	00 10/1
 up to 400 V for current peak value n=20 rated value 	67 kVA
up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value	
	67 kVA
• up to 500 V for current peak value n=20 rated value	67 kVA 84 kVA
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	67 kVA 84 kVA
up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a	67 kVA 84 kVA 117 kVA
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 	67 kVA 84 kVA 117 kVA 26 kVA
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 	67 kVA 84 kVA 117 kVA 26 kVA 45.2 kVA
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	67 kVA 84 kVA 117 kVA 26 kVA 45.2 kVA 56.5 kVA

 limited to 5 s switching at zero current maximum 	1 502 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	1 095 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	707 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	562 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	900 1/h
• at AC-2 maximum	350 1/h
• at AC-3 maximum	850 1/h
• at AC-3e maximum	850 1/h
• at AC-4 maximum	200 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	110 V
at 60 Hz rated value	110 V
operating range factor control supply voltage rated value of	
magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	348 VA
• at 60 Hz	296 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.62
• at 60 Hz	0.55
apparent holding power of magnet coil at AC	
• at 50 Hz	25 VA
• at 60 Hz	18 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.35
• at 60 Hz	0.41
closing delay	
• at AC	13 50 ms
opening delay	
• at AC	10 21 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	6 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	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 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	96 A
at 600 V rated value	99 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	10 hp
— at 230 V rated value	20 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	30 hp
— at 220/230 V rated value	40 hp
— at 460/480 V rated value	75 hp
— at 575/600 V rated value	100 hp
contact rating of auxiliary contacts according to UL	A600 / P600
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 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 (415 V, 80 kA)
 — with type of assignment 2 required 	gG: 200A (690V,100kA), aM: 100A (690V,100kA), BS88: 160A (415V,80kA)
 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 $1/22.5^{\circ}$ an vertical mounting surface.
factories method aids by aids mounting	backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method height	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 140 mm
width	70 mm
de with	152 mm
required spacing	152 1111
with side-by-side mounting	
- forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 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	

2x (10 1/0), 1x (10 2) r main contacts 2.5 16 mm ² 6 70 mm ² sing 2.5 50 mm ² r auxiliary contacts 0.5 2.5 mm ² 0.5 2.5 mm ² 0.5 2.5 mm ² ctions 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) ccessing 2x (20 16), 2x (18 14) ductor cross 10 2 10 2 20 14 7-4-1 Yes rFF Yes FF 20 a Yes 100 000 xing to SN 31920 100 000 xcording to SN 100 FIT sing to EC 60529 IP20		
r main contacts 2.5 16 mm ² sing 2.5 50 mm ² sing 2.5 50 mm ² r a uxiliary contacts 0.5 2.5 mm ² observed 0.5 2.5 mm ² ctions 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ²) ccessing 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ²) ccessing 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³) ccessing 2x (20 16), 2x (18 14) ductor cross 10 2 10 2 20 14 Yes FF Yes FF Yes Yes Yes N 31920 40 % SN 31920 1000 000 ccording to SN 100 FIT Bez 19-2 necessary Yes 19-2 necessary Yes IP20	 finely stranded with core end processing 	2x (2.5 35 mm²), 1x (2.5 50 mm²)
2.5 16 mm² 6 70 mm² 2.5 50 mm² auxiliary contacts 0.5 2.5 mm² sing 0.5 2.5 mm² ctions 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (2.0 1.5 mm²), 2x (0.75 2.5 mm²) 2x (2.0 16), 2x (18 14) ductor cross 10 2 20 14 7.4-1 Yes 7.4-1 Yes to IEC 60947-5-1 No Yes FF Yes 20 a Yes N 31920 73 % 100 000 ccording to SN 100 FIT 88-2 3 49-2 necessary 100 EIC 60529	 for AWG cables for main contacts 	2x (10 1/0), 1x (10 2)
6 70 mm² sing 2.5 50 mm² r auxiliary contacts 0.5 2.5 mm² sing 0.5 2.5 mm² ctions 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) ccessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.6 mm²), 2x (0.75 2.5 mm²) ductor cross 2x (0.5 1.6 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 10 2 ductor cross 10 2 7.4-1 Yes 7.4-1 Yes FF Yes FF Yes Sing 10 EC 60947-5-1 No Yes Yes FF Yes Ing to SN 31920 1000 000 ing to SN 31920 1000 000 ing to SN 31920 1000 000 ing to SN 31920 3 IN3-2 3 IN3-2 3 IN3-2 Yes IN3-2 3 IN3-2 1000 000 IN3-2 3 <	connectable conductor cross-section for main contacts	
sing 2.5 50 mm² r auxiliary contacts 0.5 2.5 mm² sing 0.5 2.5 mm² ctions 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 20 14 7.4-1 Yes 7.4-1 Yes FF Yes SiN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT Image: Sing to SN 3 IS-2 necessary Yes IS-2 Type A IS-2 IP20	• solid	2.5 16 mm ²
auxiliary contacts 0.5 2.5 mm² sing 0.5 2.5 mm² ctions 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (20 16), 2x (18 14) ductor cross 10 2 10 2 20 14 7-4-1 Yes FF Yes FF 20 a Yes Yes N 31920 40 % N 31920 40 % SN 31920 1000 000 ccording to SN 100 FIT Sing to SN 31920 1000 FIT 9 to IEC 60529 IP20	stranded	6 70 mm²
0.5 2.5 mm² sing 0.5 2.5 mm² ctions 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) occessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.2 16), 2x (18 14) 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 20 14 FF Yes FF Yes Yes Yes N 31920 40 % Yes 10 00 000 ing to SN 31920 1 000 000 ing to SN 31920 1 000 000 yes 3 I8-2 Type A g to IEC 60529 IP20	 finely stranded with core end processing 	2.5 50 mm ²
sing 0.52.5 mm² ctions 2x (0.51.5 mm²), 2x (0.752.5 mm²) occessing 2x (0.51.5 mm²), 2x (0.752.5 mm²) 2x (2016), 2x (1814) 2x (2016), 2x (1814) ductor cross 102 2014 2014 7-4-1 Yes res 20 a Yes 3 N 31920 1000 000 ing to SN 31920 1000 FIT Scording to SN 100 FIT Be2 Type A Was Type A	connectable conductor cross-section for auxiliary contacts	
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 7-4-1 Yes FF Yes 20 a Yes Yes N 31920 40 % SN 31920 10 0000 xcording to SN 100 FIT 8-2 Type A 100 IEC 60529 IP20	 solid or stranded 	0.5 2.5 mm²
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 7.4.1 Yes 7.4.1 Yes FF Yes 20 a Yes N 31920 Yob N 31920 1000 000 100 FIT 8-2 Type A 1020 1020 1002 1002 1002 1002 1003 1004 1005 1006 1007 1008 1009 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000 1000000 1000000 10000000	 finely stranded with core end processing 	0.5 2.5 mm²
accessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 7.4.1 Yes FF 20 a Yes Ves Ves Ves N 31920 40 % SN 31920 100 FIT 3 19-2 necessary Yes 88-2 Type A IP20	type of connectable conductor cross-sections	
accessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 7.4.1 Yes FF 20 a Yes Ves Ves Ves N 31920 40 % SN 31920 100 FIT 3 19-2 necessary Yes 88-2 Type A IP20	 for auxiliary contacts 	
accessing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 7.4.1 Yes FF 20 a Yes Ves Ves Ves N 31920 40 % SN 31920 100 FIT 3 19-2 necessary Yes 88-2 Type A IP20	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
3. 2x (20 16), 2x (18 14) ductor cross 10 2 20 14 20 14 7.4-1 Yes To IEC 60947-5-1 No Yes Yes FF Yes 20 a Yes N 31920 40 % Yes Yes N 31920 73 % ing to SN 31920 1 000 000 xcording to SN 100 FIT 8-2 Type A 18-2 Type A	 finely stranded with core end processing 	
ductor cross 10 2 20 14 7-4-1 Yes 7-4-1 Yes to IEC 60947-5-1 No Yes FF Yes 20 a 20 a Yes 20 a Yes Yes N 31920 40 % SN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 8-2 Type A g to IEC 60529 IP20	 for AWG cables for auxiliary contacts 	
10 2 20 14 7-4-1 Yes to IEC 60947-5-1 No Yes Yes FF Yes 20 a Yes N 31920 40 % SN 31920 73 % ing to SN 31920 1 000 000 scording to SN 100 FIT 8-2 Type A g to IEC 60529 IP20	AWG number as coded connectable conductor cross	
2014 7.4.1 Yes to IEC 60947-5-1 No Yes FF Yes 20 a Yes N 31920 40 % N 31920 73 % ing to SN 31920 1000 000 coording to SN 100 FIT 3 R9-2 necessary Yes 73 %	section	
7-4-1 Yes to IEC 60947-5-1 No Yes Yes FF Yes 20 a Yes Yes Yes Yes <td> for main contacts </td> <td>10 2</td>	 for main contacts 	10 2
to IEC 60947-5-1 No Yes 20 a 20 a 20 a Yes 20 a	 for auxiliary contacts 	20 14
to IEC 60947-5-1 No Yes 20 a 20 a 20 a Yes 20 a	Safety related data	
to IEC 60947-5-1 No Yes 20 a 20 a 20 a Yes 20 a	product function	
to IEC 60947-5-1 No Yes IFF Yes 20 a Yes	 mirror contact according to IEC 60947-4-1 	Yes
Yes IFF Yes 20 a Yes Yes N 31920 40 % SN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 100 FIT 3 18-2 necessary Yes yes 1 1920 1 1920 1 1920 100 FIT 100 FIT 100 FIT 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1 1920 1	 positively driven operation according to IEC 60947-5-1 	No
20 a Yes N 31920 40 % SN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 3 19-2 necessary Yes Ves Ves	suitable for safety function	Yes
20 a Yes N 31920 40 % SN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 3 19-2 necessary Yes Ves Ves	suitability for use safety-related switching OFF	
Yes 40 % 5N 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 3 100 FIT 3 19-2 necessary Yes 8-2 Type A 1920 IP20 IP20	service life maximum	
N 31920 40 % SN 31920 73 % ing to SN 31920 1 000 000 cording to SN 100 FIT 3 100 FIT 19-2 necessary Yes 08-2 Type A 100 FIC 60529 IP20	test wear-related service life necessary	
SN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 3	proportion of dangerous failures	
SN 31920 73 % ing to SN 31920 1 000 000 ccording to SN 100 FIT 3		40.9/
ing to SN 31920 1 000 000 scording to SN 100 FIT 3 3 I9-2 necessary Yes V8-2 Type A IP20 IP20	with low demand rate according to SN 31920	
100 FIT 3 19-2 necessary Yes 08-2 Type A 100 FIT	with high demand rate according to SN 31920	
3 19-2 necessary Yes 18-2 Type A 19 to IEC 60529 IP20	B10 value with high demand rate according to SN 31920	
I9-2 necessary Yes 08-2 Type A g to IEC 60529 IP20	failure rate [FIT] with low demand rate according to SN 31920	100 FT
I9-2 necessary Yes 08-2 Type A g to IEC 60529 IP20	ISO 13849	
I9-2 necessary Yes 08-2 Type A g to IEC 60529 IP20	device type according to ISO 13849-1	3
B-2 Type A g to IEC 60529 IP20	overdimensioning according to ISO 13849-2 necessary	
g to IEC 60529 IP20		
g to IEC 60529 IP20		Type A
		Type A
to IEC 60529 Inger-sale, for vertical contact from the front		
		tinger-safe, for vertical contact from the front
	General Product Approval	
	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 Approvals Certificates General Product Approval	IP20 finger-safe, for vertical contact from the front
	General Product Approval EMV Test Certifica	tes Marine / Shipping
Test Certificates Marine / Shipping	ERE REAL	



Dangerous goods Environment

Transport Information

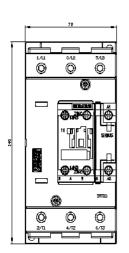


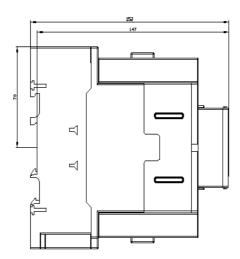
Environmental Confirmations

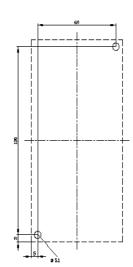
Further information

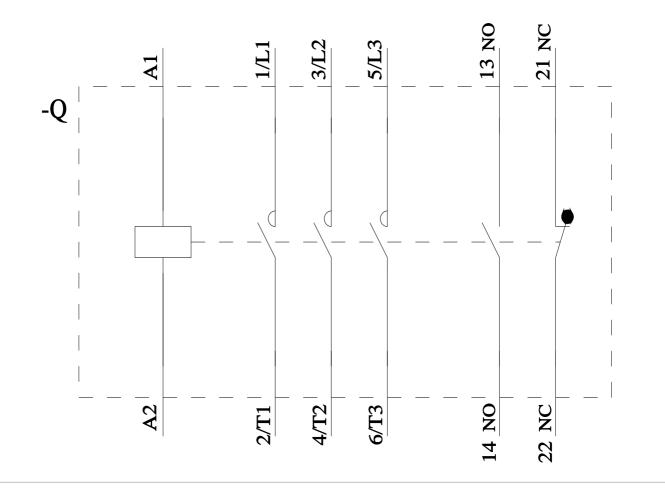
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2047-1AG20 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2047-1AG20 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-1AG20 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20&Image.com/cs/ww/en/ps/3RT2047-1AG20/char

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