SIEMENS

Data sheet 3RT2017-2BG41



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 125 V DC, auxiliary contacts: 1 NO, spring-loaded 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	4 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 DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	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	0.31 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	153 kg
global warming potential [CO2 eq] during manufacturing	1.42 kg
global warming potential [CO2 eq] during operation	152 kg
global warming potential [CO2 eq] after end of life	-0.305 kg
Main circuit	0.5550 Ng
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 	22 A
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	22 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	20 A
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value • at AC-3e	6.7 A
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
 at AC-5b up to 400 V rated value 	9.9 A
• at AC-6a	
— 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 valueat AC-6a	6.7 A
— 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 value	4 mm²
operational current for approx. 200000 operating cycles at AC-4	
• 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 rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1 at 24 V reted value.	20.4
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value — at 440 V rated value	1.6 A 0.8 A
— at 600 V rated value	0.7 A
— at 000 v rateu value	U.I A

a with 2 current noths in series at DC 1	
with 3 current paths in series at DC-1 — at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
	20 A
— at 220 V rated value	
— 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	00.4
— 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	00.4
— 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-2 at 400 V rated value	5.5 kW
• 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-	
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	3.3 kVA
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	5.7 kVA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value
limited 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 DC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
■ at AC-3 maximum	750 1/11

at AC-3e maximum	750 1/h
at AC-3e maximum at AC-4 maximum	250 1/h
Control circuit/ Control	200 mi
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	125 V
operating range factor control supply voltage rated value of	120 *
magnet coil at DC	
• initial value	0.8
full-scale value	1.1
closing power of magnet coil at DC	4 W
holding power of magnet coil at DC	4 W
closing delay	
• at DC	30 100 ms
opening delay	7 40
• at DC	7 13 ms
arcing time	10 15 ms
control version of the switch operating mechanism Auxiliary circuit	Standard A1 - A2
number of NO contacts for auxiliary contacts instantaneous	1
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	3 A
• at 500 V rated value	2 A
at 690 V rated value	1A
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	1.4
at 600 V rated value	0.15 A
operational current at DC-13	40.4
at 24 V rated valueat 48 V rated value	10 A 2 A
at 60 V rated value at 60 V rated value	2 A
at 110 V rated value	1A
at 175 V rated value at 125 V rated value	0.9 A
at 125 V rated value at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
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
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 	
— at 110/120 V rated value	0.5 hp
— 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 fuse link	

	• for short-circuit protection of the main circuit	
• for short-circult protection of the auxiliary switch required installation from from thing differentiations 4-590° relation possible on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 1-22.3° on vertical mounting surface; can be titled floward and backward by 10 mm	 — with type of coordination 1 required 	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
Installation/mounting/dimensions With a control from the position With a control	 — with type of assignment 2 required 	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
mounting position # 1900 relation presible on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward and backward and backward by + 22.5° on vertical mounting surface: can be titled forward and backward and b	for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
fastening method side-by-aide mounting Ves fastening method server was also on mounting onto 35 mm DIN rail according to DIN EN 60715 height vidth depth 70 mm required spacing • with side-by-side mounting • to with side-by-side mounting • with side-by-side mounting • to with side-by-side mounting • to with side-by-side mounting • to make side 10 mm • at the side 0 mm • for wind gards • for virunding side • for grunding darts • for wind gards • for wind gards • for wind side-by-side mounting • the side 0 mm • for man conductate • for man contacts • of many stranded with orde end processing • for AWG cables for main contacts • sidid • stranded • finely stranded with orde end processing • finely stranded with orde en	Installation/ mounting/ dimensions	
Testening method Screw and snap-on mounting onto 35 mm DIN reil according to DIN EN 60715 To min with side-by-side mounting	mounting position	
Neglit	fastening method side-by-side mounting	Yes
width depth 73 mm required spacing • with side-by-side mounting — forwards — upwards — upwards — of mem — of mem — of the side • for grounded parts — for grounded parts — in the side — downwards — upwards — upwards — at the side — downwards — to mm — upwards — of mem — downwards • for live parts — forwards — to mm — in the side — downwards • for live parts — forwards — upwards — to mm — upwards — upwards — to mm — the side — downwards — to mm — at the side — downwards — to mm — at the side — downwards — to mm — at the side — downwards — to mm — at the side — downwards — to mm — at the side — to main current circuit • to rausiliary and control circuit • of a usualiary and control circuit • at contactor for ausiliary contacts • of magnet coll Spring-type terminals Spring-type terminals Spring-type terminals Spring-type terminals Spring-type terminals Spring-type terminals 2 (0.5 4 mm²) 2 (0.5 2.5 mm²) — finely stranded with core end processing — finely stranded with core end processing • finely stranded without core end processing • finely st	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
Image: Content Imag	height	70 mm
required spacing with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — forwards — upwards — forwards — upwards — the side — downwards — the side — downwards — to mm — forwards — upwards — to mm — downwards — upwards — to mm — downwards — upwards — to mm — at the side — downwards — upwards — oownwards — to mm — at the side — to mm — at the side — to mm — the side — th		
• with side-by-side mounting — forwards — upwards — downwards — at the side — for grounded parts — forwards — the side — ownwards — the side — downwards — to man — forwards — forwards — forwards — upwards — to man — forwards — upwards — the side — downwards — upwards — the side — ownwards — upwards — the side — ownwards — ow	·	73 mm
forwards	· · · · · · · · · · · · · · · · · · ·	
- upwards	•	
downwards at the side at the side at the side at the side for grounded parts forwards forwards forwards forwards forwards form forwards form forwards downwards form forwards for		
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- forwards - upwards - 10 mm		U mm
- upwards - at the side - downwards • for live parts - forwards • for live parts - forwards 10 mm - upwards 10 mm - upwards - downwards 10 mm - downwards - at the side 6 mm Connections/ Forminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • for a will a stranded • finely stranded without core end processing • for fa WG cables for auxiliary contacts • solid or stranded • finely stranded with core end processing • for fa WG cables for auxiliary contacts • for auxiliary contact		40
- at the side - downwards 10 mm 10 m		
- downwards • for live parts - forwards - upwards - upwards - downwards - at the side - downwards - at the side - for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for for main current circuit • for for main contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • for fav. Cables for auxiliary contacts • for fav. Cables for auxiliary contacts • for fav. Cables for auxiliary contacts • for fav. Cables for auxiliary contacts • for fav. Cables for auxiliary contacts • for fav. Cables for auxiliary contacts • for fav. Cables for auxiliary contacts • for auxiliary contacts	·	
• for live parts — forwards — upwards — upwards — downwards — at the side Connections/ Terminals Type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control cross-sections • for main current conductor cross-sections • of magnet coil Type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for fawG cables for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for fawG cables for auxiliary contacts • for auxiliary contacts		
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- upwards - downwards - d the side - at the side Connections/Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • at contactor for auxiliary contacts • for main contacts - solid - solid or stranded - finely stranded with core end processing • for him confacts • for him contacts - solid - solid - solid - solid or stranded - finely stranded with core end processing • for Mard Cables for main contacts • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts • solid or stranded • finely stranded without core end processing • for auxiliary contacts	•	10 mm
- downwards — at the side 6 mm Connections / Terminals type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals • of magnet coil Spring-type terminals • of magnet coil Spring-type terminals • for main contacts - solid 2x (0.5 4 mm²) - solid or stranded - finely stranded with core end processing 2x (0.5 2.5 mm²) • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm² connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing 0.5 2.5 mm² • finely stranded without core end processing 0.5 2.5 mm² connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing 0.5 2.5 mm² connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing 0.5 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 0.5 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 0.5 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 2.5 mm²) - finely stranded with core end processing 2x (0.5 2.5 mm²) - finely stranded with core end processing 2x (0.5 2.5 mm²) - finely stranded with core end processing 2x (0.5 2.5 mm²) - for auxiliary contacts - for auxiliary co		
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type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-type terminals • of magnet coll Spring-type terminals • for main contacts • for main contacts — solld 2x (0.5 4 mm²) — solld or stranded 2x (0.5 2.5 mm²) — finely stranded with core end processing 2x (0.5 2.5 mm²) • for AWG cables for main contacts 2x (20 12) • solid 0.5 4 mm² • stranded 0.5 4 mm² • finely stranded with core end processing 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded without core end processing 0.5 2.5 mm² • finely stranded without core end processing 0.5 2.5 mm² • finely stranded without core end processing 2x (0.5 2.5 mm²) • for auxiliary contacts 2x (0.5 2.5 mm²)		
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- finely stranded without core end processing • for AWG cables for main contacts 2x (20 12) connectable conductor cross-section for main contacts • solid • stranded • stranded • finely stranded with core end processing • finely stranded without core end processing • solid or stranded without core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts - solid or stranded without core end processing • for AWG cables for auxiliary contacts • for main contacts • for main contacts • for main contacts • for mauxiliary contacts 20 12	 finely stranded with core end processing 	
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 solid stranded 0.5 4 mm² finely stranded with core end processing finely stranded without core end processing 0.5 2.5 mm² finely stranded without core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing for auxiliary contacts solid or stranded for auxiliary contacts for auxiliary contacts finely stranded with core end processing for auxiliary contacts finely stranded with core end processing for auxiliary contacts for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 20 12 for auxiliary contacts 20 12 		·
stranded inely stranded with core end processing inely stranded without core end processing inely stranded without core end processing inely stranded without core end processing inely stranded inely stranded with core end processing inely stranded without core end processing inely stranded inely stranded with core end processing inely stranded with core end processing inely stranded without core end processing inely stranded wi	connectable conductor cross-section for main contacts	
 finely stranded with core end processing finely stranded without core end processing 0.5 2.5 mm² connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts solid or stranded for auxiliary contacts for auxiliary contacts finely stranded with core end processing 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 AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 20 12 6 or auxiliary contacts 20 12 	• solid	0.5 4 mm²
 finely stranded without core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing 2x (0,5 4 mm²) finely stranded with core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 20 12 for auxiliary contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts 	• stranded	0.5 4 mm²
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — finely stranded without core end processing 2x (0.5 2.5 mm²) — finely stranded without core end processing 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) AWG number as coded connectable conductor cross section • for main contacts 20 12	• finely stranded with core end processing	0.5 2.5 mm ²
 solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 20 12 for auxiliary contacts 20 12 	• finely stranded without core end processing	0.5 2.5 mm²
 finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for AWG cables for auxiliary contacts for nauxiliary contacts for main contacts for auxiliary contacts 20 12 for auxiliary contacts for nauxiliary contacts for nauxiliary contacts 10.5 2.5 mm² 2x (0.5 2.5 mm²) 2x (20 12) 	connectable conductor cross-section for auxiliary contacts	
 ◆ finely stranded without core end processing type of connectable conductor cross-sections ◆ for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section ◆ for main contacts — for auxiliary contacts 20 12 ★ for auxiliary contacts ★ 20 12 	• solid or stranded	0.5 4 mm²
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 • for auxiliary contacts 20 12	 finely stranded with core end processing 	0.5 2.5 mm²
 for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts — for main contacts — for main contacts — for auxiliary contacts — 2x (0.5 2.5 mm²) — 2x (20 12) 	 finely stranded without core end processing 	0.5 2.5 mm²
- solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)	type of connectable conductor cross-sections	
 — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 • for auxiliary contacts 20 12 	• for auxiliary contacts	
 — finely stranded without core end processing for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 20 12 for auxiliary contacts 20 12 	— solid or stranded	2x (0,5 4 mm²)
	 finely stranded with core end processing 	2x (0.5 2.5 mm²)
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 20 12	 finely stranded without core end processing 	2x (0.5 2.5 mm²)
section	for AWG cables for auxiliary contacts	2x (20 12)
• for auxiliary contacts 20 12		
·	• for main contacts	20 12
Safety related data	 for auxiliary contacts 	20 12
	Safety related data	

product function	
 mirror contact according to IEC 60947-4-1 	Yes; with 3RH29
 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



Confirmation





<u>KC</u>

General Product Approval

EMV

Test Certificates





Marine / Shipping



Marine / Shipping











Miscellaneous

other

other Railway Dangerous goods Environment

Confirmation

Special Test Certificate

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=3RT2017-2BG41

Cax online generator

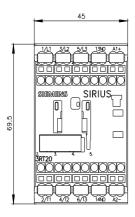
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2017-2BG41}$

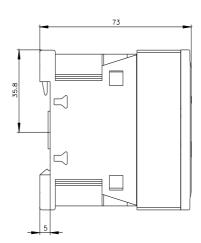
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2BG41

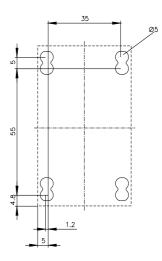
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

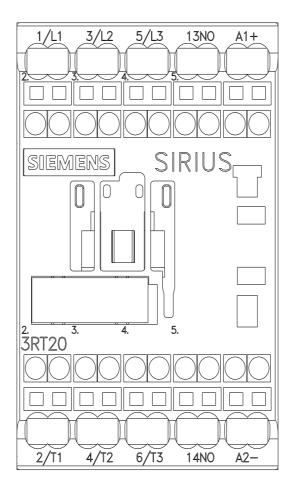
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2BG41/char

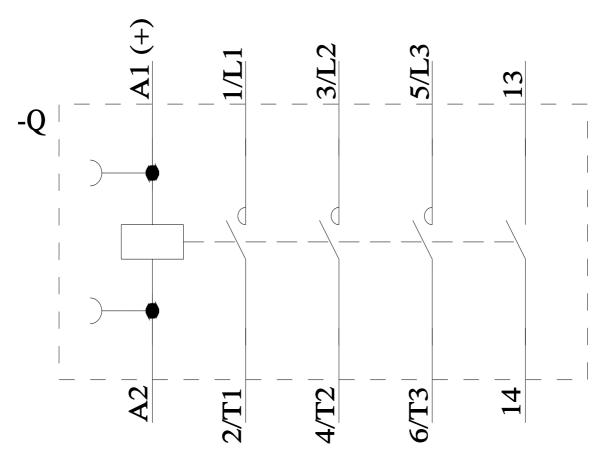
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-2BG41&objecttype=14&gridview=view1











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