SIEMENS

Data sheet 3RT2015-1AG62



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 100 V AC, 50 Hz / 100-110 V, 60 Hz, auxiliary contacts: 1 NC, screw terminal, size: S00

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	0.6 W
 at AC in hot operating state per pole 	0.2 W
 without load current share typical 	1.2 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	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 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)	
Weight	0.229 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	39.6 kg
Global Warming Potential [CO2 eq] during manufacturing	1.18 kg
Global Warming Potential [CO2 eq] during mandiacturing	38.5 kg
Global Warming Potential [CO2 eq] after end of life	-0.155 kg
Main circuit	0.100 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 	18 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	18 A
— up to 690 V at ambient temperature 60 °C rated value	16 A
• at AC-3	7.0
— at 400 V rated value — at 500 V rated value	7 A 6 A
— at 500 V rated value — at 690 V rated value	4.9 A
• at AC-3e	1.07
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
at AC-4 at 400 V rated value	6.5 A
• at AC-5a up to 690 V rated value	15.8 A
• at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
— up to 500 V for current peak value n=20 rated value	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm ²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
at 1 current path at DC-1 at 24 V roted value.	15 A
— at 24 V rated value — at 60 V rated value	15 A 15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 440 V rated value — at 600 V rated value	0.42 A
with 2 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A

 with 3 current paths in series at DC-1 	
— at 24 V rated value	15 A
— at 24 V rated value — at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	15 A
— at 60 V rated value	0.35 A
— at 110 V rated value	0.1 A
with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.14 A
— at 600 V rated value	0.14 A
operating power	
• at AC-3	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	1 1E NA
at 400 V rated value at 690 V rated value	1.15 kW
	1.15 kW
operating apparent power at AC-6a	4.5.12/4
up to 230 V for current peak value n=20 rated value	1.5 kVA
up to 400 V for current peak value n=20 rated value	2.7 kVA
• up to 500 V for current peak value n=20 rated value	3.3 kVA
• up to 690 V for current peak value n=20 rated value	4.3 kVA
operating apparent power at AC-6a	1 64/6
up to 230 V for current peak value n=30 rated value	1 kVA
up to 400 V for current peak value n=30 rated value	1.8 kVA
up to 500 V for current peak value n=30 rated value	2.2 kVA
up to 690 V for current peak value n=30 rated value	2.9 kVA
short-time withstand current in cold operating state up to 40 °C	
• limited to 1 s switching at zero current maximum	120 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	86 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	67 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	52 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	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-3e maximum	750 1/h

• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	100 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	26.4 VA
• at 60 Hz	31.7 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.81
• at 60 Hz	0.81
apparent holding power of magnet coil at AC	
• at 50 Hz	4.4 VA
• at 60 Hz	4.8 VA
inductive power factor with the holding power of the coil	0.24
• at 50 Hz	0.24
• at 60 Hz	0.25
closing delay	9 35 ms
	0 00 III6
opening delay • at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC 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	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	1.4
at 600 V rated value	0.15 A
operational current at DC-13	40.4
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 at 125 V rated value	1.4
• at 125 V rated value	0.9 A
at 220 V rated value at 600 V rated value	0.3 A
at 600 V rated value contact reliability of auxiliary contacts	0.1 A
contact reliability of auxiliary contacts UL/CSA ratings	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor	49 A
at 480 V rated value at 600 V rated value	4.8 A
at 600 V rated value violded mechanical performance [hp]	6.1 A
yielded mechanical performance [hp]	
for single-phase AC motor at 110/120 V rated value.	0.25 hp
— at 110/120 V rated value	0.25 hp

- at 200208 Y rated value - for 3-phase AC motor - at 200208 Y rated value - at 200208 V rated value - at 400480 V rated value - at 400480 V rated value - at 400480 V rated value - at 578900 V rated value - at 578900 V rated value - at 578900 V rated value - byte of substance contact rating of substance contact rating of substance value - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - with type of assignment 2 required - with type of coordination 1 required - with type of assignment 2 required - with type of coordination 1 required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with type of substance of the auxiliary switch required - with substance of the auxiliary contacts - with or substance of the auxiliary contacts - with substance of the auxiliary contacts - with or substance of the auxiliary contacts - with or substance of the auxiliary cont	-t 000 V '	0.75 h
al 200200 V rated value al 200200 V rated value 2 hp at 400400 V rated value 2 hp at 575/000 V rated value 3 hp 5 hp at 575/000 V rated value 5 hp	— at 230 V rated value	0.75 hp
al 20/2020 V rated value	•	4.5 ha
at 4014400 V rated value 5 hp contact rating of auxiliary contacts according to UL Stock-Cereal protection design of the true link for short-circuit protection of the main circuit with type of coordination 1 required 2 serve and snap-on mounting outface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and backward by +2.25 for evertical mounting surface; can be tilted forward and solve the same and snap-on mounting onto 35 mm DIN rail according to DIN EN 607 mm 10 mm forwards to wards to		·
contact rating of auxiliary contacts according to UL ### Stort-circuit protection ### Stort-circuit protection of the main circuit		
Short-circuit protection design of the fuse link		
design of the fuse link In the short-circult protection of the main circuit — with type of assignment 2 required — with speed of assignment 2 required fastening method fastening met		A600 / Q600
### State of the surface of the surf	•	
— with type of assignment 2 required 96: 20A (690V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V, 100KA), BS88: 20A (415V, 80KA) 9G: 19 A (500V, 100KA), abit. 18A (690V,	*	gG: 354 (690)/ 100k4), aM: 204 (690)/ 100k4), RS88: 354 (415)/ 80k4)
e for short-circuit protection of the auxiliary switch required mounting position		
Installation/ mounting/ dimensions **1-180** rotation possible on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on vertical mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and beckward by **1-22.8* on mounting surface; can be titled forward and s		
## 180" rotation possible on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and backward by 4*-2.5" on vertical mounting surface: can be titled forward and surface and sample on the surface and sample o		90. 1077(000 V, 1107)
Basckward by +/- 2.2. f* on vertical mounting surface		+/-180° rotation possible on vertical mounting surface: can be tilted forward and
height		
width 45 mm depth 73 mm required spacing 73 mm - with side-by-side mounting 10 mm - pawards 10 mm - downwards 10 mm - at the side 0 mm - forgrounded parts 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - for live parts 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - for auxiliary and control circuit screw-type terminals * for auxiliary and control circuit screw-type terminals * of magnet coil Screw-type terminals * of main contacts \$crew-type terminals	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
depth 73 mm required spacing with side-by-side mounting with side-by-side mounting	height	58 mm
required spacing	width	45 mm
with side-by-side mounting	depth	73 mm
forwards upwards	required spacing	
- upwards	 with side-by-side mounting 	
- downwards - at the side	— forwards	10 mm
- at the side	— upwards	10 mm
	— downwards	10 mm
forwards	— at the side	0 mm
- upwards - at the side - downwards - 10 mm -	 for grounded parts 	
at the side — downwards 10 mm 10	— forwards	10 mm
- downwards	— upwards	10 mm
• for live parts — forwards — upwards — upwards — at the side — forman current circuit — for auxiliary and control circuit — so for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely strande		
forwards upwards downwards downwards downwards downwards downwards downwards at the side the side downwards at the side downwards at the side downwards		10 mm
- 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 • 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 awxiliary contacts • solid • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for auxiliary contacts	·	
- downwards - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for auxiliary contacts • solid • stranded • finely stranded with core end processing • for auxiliary contacts • solid • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts		
Type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for main current circuit • 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 • finely stranded with core end processing • finely stranded with core end processing • finely stranded • finely stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for AWG cables for main contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	•	
type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for main current circuit • of magnet coil type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — solid or stranded — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²		
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• of magnet coil type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • stranded • stranded • finely stranded with core end processing • for auxiliary contacts • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts • solid • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts	•	· ·
type of connectable conductor cross-sections	•	· ·
 for main contacts — solid — solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² — solid or stranded — finely stranded with core end processing — for AWG cables for main contacts — solid — solid — for AWG cables for main contacts — solid — solid — stranded — stranded — solid or stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — finely stranded with core end processing		onew-type terminals
- solid - solid - 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - finely stranded with core end processing - 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 15 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - 2x (0.75 2.5 mm²) - 2x (20 16), 2x (18 14), 2x 12 - 2x (20 16), 2x (18 14), 2x 12		
- solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • solid • stranded • finely stranded with core end processing • stranded • stranded • finely stranded with core end processing • for auxiliary contacts • solid • finely stranded with core end processing • finely stranded • finely stranded • finely stranded with core end processing • for auxiliary contacts		2x (0.5
 — finely stranded with core end processing ● for AWG cables for main contacts ②x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) ②x (20 16), 2x (18 14), 2x 12 Connectable conductor cross-section for main contacts ● solid ● stranded ● finely stranded with core end processing ○ 5 4 mm² ○ 5 2.5 mm² Connectable conductor cross-section for auxiliary contacts ● solid or stranded ● finely stranded with core end processing ○ 5 4 mm² ○ 5 4 mm² Type of connectable conductor cross-sections ● for auxiliary contacts — solid or stranded — for auxiliary contacts — solid or stranded — finely stranded with core end processing 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 1.5 mm²), 2x (0.75 2.5 mm²) Ex (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), 2x 12 Ex (20 16), 2x (18 14), 2x 12		
 for AWG cables for main contacts connectable conductor cross-section for main contacts solid stranded finely stranded with core end processing solid or stranded finely stranded with core end processing solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts for AWG cables 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) for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12 		
connectable conductor cross-section for main contacts • solid • stranded • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12		
 solid stranded finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts for auxiliary contacts for auxiliary contacts finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² for AWG cables for auxiliary contacts 2x (20 1.5 mm²), 2x (18 14), 2x 12 		
 stranded finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts r solid or stranded finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² for AWG cables for auxiliary contacts 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²) 		0.5 4 mm²
 finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²) 		
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	 finely stranded with core end processing 	0.5 2.5 mm²
 solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 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 (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 		
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 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)	solid or stranded	0.5 4 mm²
 for auxiliary contacts — solid or stranded — finely stranded with core end processing for AWG cables 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), 2x 12 	• finely stranded with core end processing	0.5 2.5 mm²
— solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) ◆ for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	type of connectable conductor cross-sections	
— solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) ◆ for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	• for auxiliary contacts	
 — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12	— finely stranded with core end processing	
AWG number as coded connectable conductor cross	 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 2x 12
	AWG number as coded connectable conductor cross	

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







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping











Miscellaneous

other

other Railway

<u>Confirmation</u> <u>Confirmation</u>

Special Test Certificate



Environment

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=3RT2015-1AG62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AG62

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

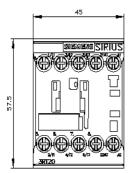
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AG62

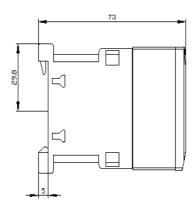
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1AG62&lang=en

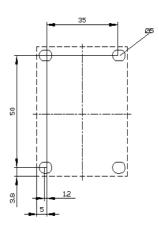
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AG62/char

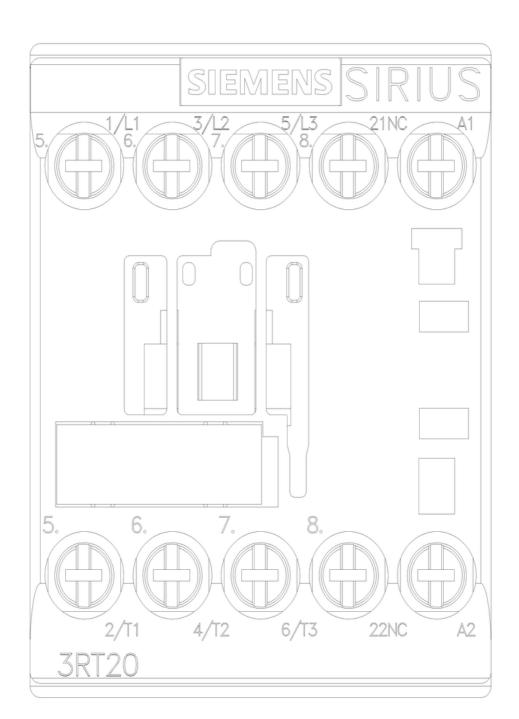
Further characteristics (e.g. electrical endurance, switching frequency)

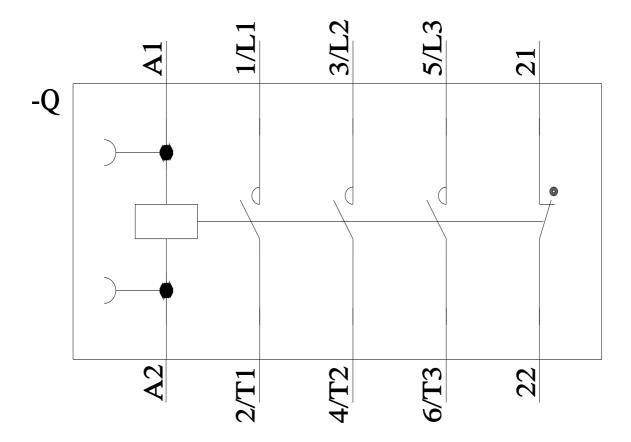
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AG62&objecttype=14&gridview=view1











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