SIEMENS

Data sheet 3RT2015-2AP62



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NC, 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 	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)	10/01/2009
Weight	0.251 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 operation	38.5 kg
global warming potential [CO2 eq] after end of life	-0.155 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 	18 A
up to 690 V at ambient temperature 40 °C rated value	18 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	16 A
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	7.4
— at 400 V rated value	7.A
— at 500 V rated value	6.4
— at 690 V rated value	4.9 A 6.5 A
at AC-4 at 400 V rated valueat 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	3.0 A
— 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 mm²
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 rated value	15 A
— at 60 V rated value	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 600 V rated value	0.42 A
with 2 current paths in series at DC-1 at 24 V rated value.	45.0
— 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 — at 600 V rated value	0.6 A 0.5 A
— at 000 v rateu value	U.U A

to AC-1 rated value
o AC-1 rated value

a at AC 2a mayim:	750 4/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	220 V
at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	26.4 VA
• at 60 Hz	26.4 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	4.4 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.24
• at 60 Hz	0.24
closing delay	
• at AC	9 35 ms
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 contact	1
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 110 V rated value at 125 V rated value	2 A
at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	3.1071
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	1A
at 125 V rated value	0.9 A
at 125 V rated value at 220 V rated value	0.3 A
at 220 V rated value at 600 V rated value	0.3 A 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	40.4
at 480 V rated value	4.8 A
at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	

	at 110/120 V rated value	0.25 ha
	— at 110/120 V rated value	0.25 hp
		0.73 Hp
	·	4.5 ha
alt 400/480 V rated value		
contact rating of auxiliary contacts according to UL. A800 / OS000 Softed record protection Colume densitie: 10 A. 0.4 kA design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required segling of the miniature circuit breaker for short-circuit protection of the auxiliary switch required segling of the first limit of the auxiliary switch required sealing or strength protection of the auxiliary switch required statistican menting distinusions. Get 10 A (S00 V. 1 kA) mounting position 4 x + 180° rotation possible on vertical mounting surface; can be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and be titled forward and backward by x + 22.5° on vertical mounting surface; and backward by x + 22.5° on vertical mounting surface; and backward by x + 22.5° on vertica		·
Start Star		·
design of the ministure circuit broader for short-circuit protection of the auxiliary circuit up to 280 v. decided from the fuse link of the auxiliary circuit up to 280 v. decided from the fuse link of the auxiliary circuit up to 280 v. decided from the auxiliary circuit up to 280 v. decided fr		A600 / Q600
of the auxiliary circuit up to 230 V design of the fuse link gG: 10 A (500 V, 1 kA) a for short-circuit protection of the auxiliary switch required J+180° rotation possible on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1+1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface; can be tilted forward and backward by 1-1-22.5° on vertical mounting surface		
*** of whort-circuit protection of the auxiliary switch required \$6:10 A (\$00 V, 1 kA)	of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
mounting position +*180* rotation possible on vertical mounting surface: can be tilted forward and abecward by +*-22.5* on vertical mounting surface. festening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 70 mm width 45 mm depth 73 mm required spacing *** *** with side-by-side mounting 10 mm - forwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - for rain current circuit spring-loaded terminals * for auxiliary and control circuit spring-loaded terminals * of man current circuit	· · · · · · · · · · · · · · · · · · ·	gG: 10 A (500 V, 1 kA)
Taskening method side-by-side mounting Yes		
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715 height 70 mm dopth 73 mm required spacing ************************************		backward by +/- 22.5° on vertical mounting surface
height 70 mm width 45 mm doth 73 mm required spacing ************************************		
width 45 mm depth 73 mm required spacing 73 mm e with side-by-side mounting 10 mm — forwards 10 mm — downwards 10 mm — downwards 10 mm — forwards 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm — forwards 10 mm — for live parts 10 mm — forwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 5 mm — for main current circuit sping-loaded terminals • for main c	fastening method	
depth 73 mm required spacing required spacing • with side-by-side mounting 10 mm — forwards 10 mm — downwards 10 mm — at the side 0 mm — for grounded parts 10 mm — at the side 6 mm — downwards 10 mm — downwards 10 mm — for live parts 10 mm — for live parts 10 mm — downwards 10 mm — at the side 6 mm — at the side 6 mm — at the side 6 mm Pormain current circuit spring-loaded terminals • for mall current circuit spring-loaded terminals • for mall current circuit spring-loaded terminals • for main contacts Spring-type terminals • for main contacts Spring-type terminals • for main contacts Spring-type terminals - solid or stranded 2x (0.5 2.5 mm²) • for MXG cables for main contacts 2x (0.5 2.5 mm²) • solid or stranded 0.5		
To with side-by-side mounting	width	45 mm
	depth	73 mm
forwards	required spacing	
- upwards 10 mm 1	 with side-by-side mounting 	
- downwards - at the side 0 mm • for grounded parts - 10 mm - upwards 10 mm - at the side 6 mm - at the side 6 mm - at the side 6 mm • for live parts 10 mm • for live parts 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/Terminals - type of electrical connection • for main current circuit spring-loaded terminals spring-type terminals spring	— forwards	10 mm
• for grounded parts - forwards - upwards - at the side - downwards - to live parts - forwards - forwards - downwards - for wards - forwards - forwards - forwards - forwards - forwards - forwards - upwards - upwards - downwards - 10 mm - downwards - 10 mm - at the side - downwards - 10 mm - at the side - downwards - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary and control circuit - for for auxiliary and control circuit - for for announcet for auxiliary contacts - solid - solid - solid ostranded - finely stranded with core end processing - for AWG cables for main contacts - solid - solid - stranded - finely stranded with core end processing - finely st	— upwards	10 mm
• for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — of man — of worwards — upwards — downwards — to mm — downwards — to mm — at the side — of man — at the side — of man — of man current circuit — of ro raxiliary and control circuit — of auxiliary and control circuit — of or auxiliary and control circuit — of majn current of ro auxiliary contacts — of majn contacts — of majn contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — of rot AWG cables for main contacts — solid — stranded — finely stranded with core end processing — of rot AWG cables for main contacts — solid — stranded — finely stranded with core end processing — finely stranded with core end processing — of rot AWG cables for main contacts — solid — stranded — finely stranded with core end processing — of rot AWG cables for main contacts — solid — stranded — finely stranded with core end processing — of rot AWG cables for main contacts — solid — stranded — finely stranded with core end processing — of rot AWG cables for main contacts — solid — stranded — finely stranded with core end processing — of rot awdithout core end processing — of rot awdithout core end processing — of rot awdithout core end processing — of stranded — of the part and end with core end processing — of solid or stranded — of the part and end with core end processing — of the part and end with core end processing — of solid or stranded — of the part and end with core end processing — of solid or stranded — of the part and end with core end processing — of solid or stranded — of the part and end with core end processing — of solid or stranded — of the part and end with core end processing — of solid or stranded — of the part and	— downwards	10 mm
- forwards	— at the side	0 mm
- upwards - at the side - downwards 10 mm • for live parts - forwards 10 mm • for live parts - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - 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-section 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 grounded parts 	
at the side downwards for live parts for live parts forwards upwards upwards downwards	— forwards	10 mm
of or live parts of rowards ouwards	— upwards	10 mm
• for live parts — forwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-section for main contacts — solid • for walk garded with core end processing • finely stranded with core end processing	— at the side	6 mm
- forwards 10 mm 10 mm 40 mm 4	— downwards	10 mm
- forwards 10 mm 10 mm 40 mm 4	• for live parts	
- upwards 10 mm 10	•	10 mm
- downwards - at the side 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 AWC cables for main contacts • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • solid • 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 • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing		
Type of electrical connections for amin current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main current circuit at contacts of magnet coil type of connectable conductor cross-sections for main contacts solid solid 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 finely stranded with core end processing finely stranded without core end proces	·	
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 • 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 with core end processing • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • finely stranded without core end processing • solid or stranded • finely stranded without 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		
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 • stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • solid or stranded • finely stranded • finely stranded with core end processing • finely stranded without core end processing		
• for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • por auxiliary contacts • of magnet coil • spring-type terminals • of magnet coil • of connectable conductor cross-sections • for main contacts • solid • solid or stranded • solid or stranded with core end processing • finely stranded without core end processing • for AWG cables for main contacts • solid • stranded • 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 • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid connectable conductor cross-sections		
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Spring-type terminals for main contacts solid or stranded finely stranded with core end processing solid for A mm² 2x (0.5 4 mm²) x (0.5 4 mm²) x (0.5 2.5 mm²) x (0.5 2.5 mm²) x (0.5 4 mm²) x (0.5 4 mm²) x (0.5 2.5 mm²) x (0.5 2.5 mm²) x (0.5 4 mm²) x (0.5 2.5 mm²) x (0.5 4 mm²) x (0.5 2.5 mm²) x (0.5 4 mm		spring-loaded terminals
 at contactor for auxiliary contacts of magnet coil Spring-type terminals 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 10.5 4 mm²) a finely stranded without core end processing for AWG cables for main contacts solid osolid osolid		
• 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 - solid • stranded • finely stranded with core end processing • solid • 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 • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded without core end processing		
type of connectable conductor cross-sections		
 for main contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for main contacts (a) solid (b) stranded (c) sundance (c) sundance	•	Opinig-type terminals
- solid - solid or stranded - 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 main contacts • for AWG cables for main contacts • solid - stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - finely stranded with core end processing - finely stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processi		
- 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 main contacts • solid • stranded • stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • solid or stranded • finely stranded without core end processing • solid or stranded • finely stranded without 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 without core end processing		2v (0.5 4 mm²)
- finely stranded with core end processing - finely stranded without core end processing • for AWG cables for main contacts • solid • stranded • stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • solid • finely stranded without core end processing • finely stranded without 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 with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely connectable conductor cross-sections		
 — finely stranded without core end processing ● for AWG cables for main contacts ○ solid ● stranded ● stranded ● finely stranded with core end processing ● finely stranded without core end processing ● finely stranded without core end processing O.5 2.5 mm² Connectable conductor cross-section for auxiliary contacts ● solid or stranded ● finely stranded with core end processing O.5 4 mm² O.5 4 mm² O.5 4 mm² O.5 2.5 mm² 		
 ◆ for AWG cables for main contacts 2x (20 12) connectable conductor cross-section for main contacts ◆ solid ◆ stranded ◆ finely stranded with core end processing ◆ finely stranded without core end processing ◆ 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 ◆ finely stranded without core end processing ◆ finely stranded without core end processing ◆ finely connectable conductor cross-sections 		
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 • 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 with core end processing • finely stranded without core end processing • finely stranded without core end processing • for connectable conductor cross-sections		
 solid stranded finely stranded with core end processing finely stranded without core end processing 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 finely stranded without core end processing finely connectable conductor cross-sections 		ZX (ZU 1Z)
 stranded finely stranded with core end processing finely stranded without core end processing 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 finely stranded without core end processing 2.5 mm² finely stranded without core end processing 2.5 mm² 		
 finely stranded with core end processing 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 finely stranded without core end processing type of connectable conductor cross-sections 		
 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 finely stranded without core end processing 2.5 mm² type of connectable conductor cross-sections 		
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 type of connectable conductor cross-sections		
 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 	· · · · · · · · · · · · · · · · · · ·	0.5 2.5 mm²
 finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections 	-	
• finely stranded without core end processing 0.5 2.5 mm² type of connectable conductor cross-sections		
type of connectable conductor cross-sections	 finely stranded with core end processing 	0.5 2.5 mm²
	finely stranded without core end processing	0.5 2.5 mm²
• for auxiliary contacts	type of connectable conductor cross-sections	
	 for auxiliary contacts 	

 solid or stranded 	2x (0,5 4 mm²)
 finely stranded with core end processing 	2x (0.5 2.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (20 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	
Company Dynamical American	

General Product Approval









<u>KC</u>



EMV Test Certificates Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping other









Miscellaneous

Confirmation

Railway Environment

Special Test Certificate



Environmental Confirmations

urther 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=3RT2015-2AP62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2AP62

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

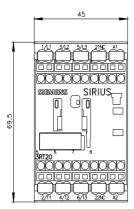
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-2AP62&lang=en

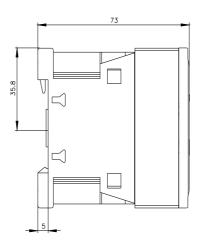
Characteristic: Tripping characteristics, I2t, Let-through current

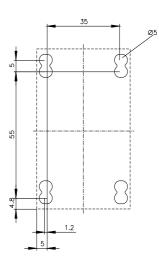
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2AP62/char

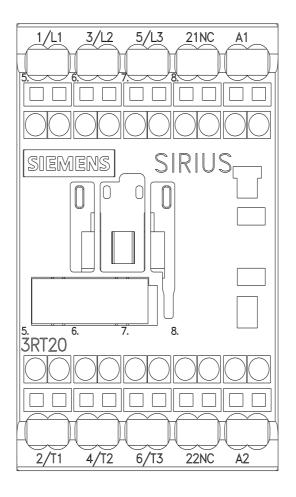
Further characteristics (e.g. electrical endurance, switching frequency)

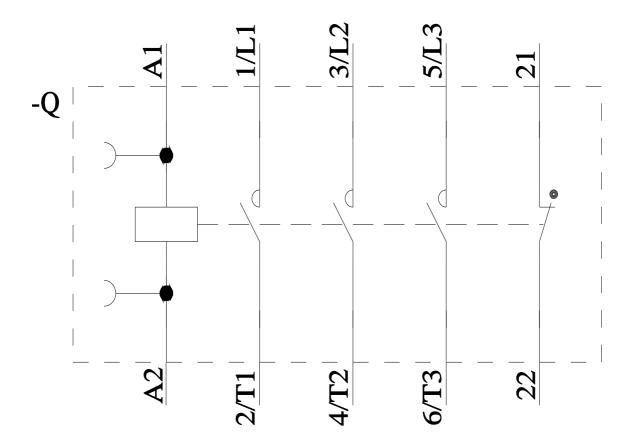
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2AP62&objecttype=14&gridview=view1











last modified: 4/17/2025 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT20152AP62