SIEMENS

Data sheet 3RT2015-2KB42



power contactor, AC-3 7 A, 3 kW / 400 V 1 NC, 24 V DC 0.7-1.25* US, suppressor diode integrated, 3-pole, size S00, spring-type terminal not expandable with auxiliary switch

product brand name	SIRIUS	
product designation	Coupling relay	
product type designation	3RT2	
General technical data		
size of contactor	S00	
product extension		
 function module for communication 	No	
auxiliary switch	No	
power loss [W] for rated value of the current at AC in hot operating state	1.2 W	
• per pole	0.4 W	
power loss [W] for rated value of the current without load current share typical	2.8 W	
surge voltage resistance		
 of main circuit rated value 	6 kV	
of auxiliary circuit rated value	6 kV	
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V	
shock resistance at rectangular impulse		
• at DC	6,7g / 5 ms, 4,2g / 10 ms	
shock resistance with sine pulse		
• at DC	10,5g / 5 ms, 6,6g / 10 ms	
mechanical service life (switching cycles)		
of contactor typical	30 000 000	
reference code acc. to IEC 81346-2	Q	
Substance Prohibitance (Date)	01.10.2009 00:00:00	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
 ambient temperature during operation 	-25 +60 °C	
 ambient temperature during storage 	-55 +80 °C	
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	
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	
— 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	0.071
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 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	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 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
operational current	
• at 1 current path at DC-3 at DC-5	45.0
— at 24 V rated value	15 A
— at 110 V rated value	0.1 A
with 2 current paths in series at DC-3 at DC-5	45.4
— at 24 V rated value	15 A
 at 110 V rated value 	0.25 A

### Summer Screen From Street Set (20-3) at DOO ### at 110 V rated value ### at 40 V rated value ### at 400 V rated value ### at 600 V ro current peak value n=20 rated value ### up to 500 V for current peak value n=20 rated value ### up to 400 V for current peak value n=20 rated value ### up to 400 V for current peak value n=20 rated value ### up to 400 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 rated value ### up to 600 V for current peak value n=20 r	• with 2 current naths in series at DC 2 at DC 5	
	with 3 current paths in series at DC-3 at DC-5 ct 24 V rated value.	45 A
operating power - at 200 V rated value - at 400 V rated value - at 400 V rated value - at 600 V ra		
operating power at AC-3 at 239 V rated value at 509 V rated value operating power for approx. 200000 operating cycles at AC-4 at 409 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 509 V for current peak value n=20 rated value up to 509 V for current peak value n=20 rated value up to 509 V for current peak value n=30 rated value up to 509 V for current peak value n=30 rated value up to 509 V for current peak value n=30 rated value up to 509 V for current peak value n=30 rated value up to 509 V for current peak value n=30 rated value up to 509 V for current peak value n=30 rated value up to 509 V for current peak value n=30 rated value short-time vithstand current in cold operating state up to 400 V for united to 5 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 5 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 7 switching fequency at DC operating frequency at DC operating frequency at DC ilimited to 60 switching at zero current maximum simited to 60 switching at zero current maximum ilimited to 60 swi		
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up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum ilmited to 5 s switching at zero current maximum ilmited to 5 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum oload switching frequency at DC operating frequency at AC-1 maximum at AC-2 maximum at AC-2 maximum ol at AC-4 maximum ol at AC-4 maximum control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC intill-scale value design of the surge suppressor closing power of magnet coil at DC iopening delay at DC opening delay at DC outcol torsult/ operating mechanism 2.2 kV-A 2.9 kV-		1.8 kV·A
• up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum no-load switching frequency • at DC operating frequency • at AC-1 maximum 1 000 1/h • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum 250 1/h • at AC-4 maximum control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value • full-scale value dasign of the surge suppressor closing delay • at DC opening delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism 2.9 kV-A 2.9 kV-A 2.9 kV-A 2.0 kUse minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 68 A; Use minimum cross-section acc. to AC-1 rated value 68 A; Use minimum cross-section acc. to AC-1 rated value 69 A; Use minimum cross-section acc. to AC-1 rated value 69 A; Use minimum cross-section acc. to AC-1 rated value 69 A; Use minimum cross-section acc. to AC-1 rated value 69 A; Use minimum cross-section acc. to AC-1 rated value 69 A; Use minimum cross-section acc. to AC-1 rated value 69 A; Use minimum cross-section acc. to AC-1 rated value 60 A; Use minimum cross-section acc. to AC-1 rated value 60 A; Use minimum cross-section acc. to AC-1 rated value 60 A; Use minimum cross-section acc. to AC-1 rated value 60 A; Use min		2.2 kV·A
up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum no-load switching frequency • at DC operating frequency • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • limital value • full-scale value design of the surge suppressor closing power of magnet coil at DC closing delay • at DC opening delay • at DC auxilliary circuit 120 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated va	·	2.9 kV·A
Ilimited to 1 s switching at zero current maximum	short-time withstand current in cold operating state	
Ilimited to 5 s switching at zero current maximum Ilimited to 10 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ilimited to 60 s switching frequency at DC		
Ilimited to 10 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ino-load switching frequency at DC	 limited to 1 s switching at zero current maximum 	120 A; Use minimum cross-section acc. to AC-1 rated value
Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Incload switching frequency at DC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum be at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC initial value full-scale value full-scale value closing power of magnet coil at DC closing delay at DC opening delay at DC arcing time control version of the switch operating mechanism control version of the switch operating mechanism Auxiliary circuit 43 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h 10 000 1	 limited to 5 s switching at zero current maximum 	86 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 60 s switching at zero current maximum no-load switching frequency • at DC operating frequency • at AC-1 maximum 1 000 1/h • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value • rated value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit 10 000 1/h	 limited to 10 s switching at zero current maximum 	67 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency • at DC operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC closing bower of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit	 limited to 30 s switching at zero current maximum 	52 A; Use minimum cross-section acc. to AC-1 rated value
at DC 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-4 maximum 250 1/h at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC arrade value Operating range factor control supply voltage rated value of magnet coil at DC initial value 5 full-scale value design of the surge suppressor closing power of magnet coil at DC at Sulve of magnet coil at DC closing power of magnet coil at DC closing delay at DC opening delay at DC arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 1 000 1/h 1 000 1/	Iimited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.25 design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay • at DC opening time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit	no-load switching frequency	
at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maxim	• at DC	10 000 1/h
at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-3 maximum at AC-4 maxim	operating frequency	
at AC-3 maximum at AC-4 V operating range factor control supply voltage at DC at AU at AU at AC-4 maximum at AC-4 V operating range factor control supply voltage at AU at AC-4 V operating range factor control supply voltage at AU at AC-4 V operating range factor control supply voltage at AU at AC-4 V operating range factor control supply voltage at AU at AU at AC-4 V operating range factor control supply voltage at AU at AU at AC-4 Maximum at AC-4 V operating range factor control supply voltage at AU at AC-4 V operating range factor control supply voltage at AU at AC-4 V operating range factor control supply voltage at AU at AC-4 Maximum at AC-4 V operating range factor control supply voltage at AU at AC-4 V operating range factor control supply voltage at DC at AU at AC-4 V operating range factor control supply voltage rated value at AC-4 V operating range factor control supply voltage rated value at AC-4 V operating range factor control supply voltage rated value at AC-4 V operating range factor control supply voltage rated value at AC-4 V operating range factor control supply voltage rated value at AC-4 V operating range factor control supply voltage rated va	at AC-1 maximum	1 000 1/h
at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value Operating range factor control supply voltage rated value of magnet coil at DC • initial value O.7 • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit	 at AC-2 maximum 	750 1/h
type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value olinitial value full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism OC DC 24 V 0.7 0.7 0.7 0.7 24 V 0.7 2.8 W 0.7 2.8 W 0.8 W 0.9 W 0.	 at AC-3 maximum 	750 1/h
type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism DC 24 V 0.7 0.7 0.7 0.7 0.8 With suppressor diode 2.8 W 2.8 W 30 100 ms 7 20 ms arcing time 10 15 ms Standard A1 - A2		250 1/h
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC oat DC arcing time control version of the switch operating mechanism 24 V 0.7 2.8 V 2.8 W 2.8 W 30 100 ms 7 20 ms arcing time 10 15 ms Standard A1 - A2	Control circuit/ Control	
rated value operating range factor control supply voltage rated value of magnet coil at DC initial value in		DC
operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.25 design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit	control supply voltage at DC	
value of magnet coil at DC initial value full-scale value 1.25 design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay at DC opening delay at DC arcing time control version of the switch operating mechanism one of the surge suppressor with suppressor diode 2.8 W 2.8 W 30 100 ms 7 20 ms standard A1 - A2 Auxiliary circuit		24 V
• full-scale value design of the surge suppressor with suppressor diode closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time arcing time control version of the switch operating mechanism		
design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism with suppressor diode 2.8 W 2.8 W 30 100 ms 7 20 ms standard A1 - A2 Auxiliary circuit	• initial value	0.7
closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit	full-scale value	1.25
holding power of magnet coil at DC closing delay ● at DC opening delay ● at DC 7 20 ms arcing time tontrol version of the switch operating mechanism Other standard A1 - A2 Auxiliary circuit		with suppressor diode
closing delay	closing power of magnet coil at DC	2.8 W
◆ at DC opening delay ◆ at DC 7 20 ms arcing time	holding power of magnet coil at DC	2.8 W
opening delay		
● at DC arcing time tontrol version of the switch operating mechanism Auxiliary circuit 7 20 ms 10 15 ms Standard A1 - A2	• at DC	30 100 ms
arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit	opening delay	
control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit		
Auxiliary circuit		
		Standard A1 - A2
number of NC contacts for auxiliary contacts		
	number of NC contacts for auxiliary contacts	1

instantaneous contact	
instantaneous contact	10.0
operational current at AC-12 maximum	10 A
operational current at AC-15	40 A
at 230 V rated value at 400 V rated value	10 A
at 400 V rated value at 500 V rated value	3 A
at 500 V rated value at 600 V rated value	2 A
at 690 V rated value operational current at DC-12	1 A
	10.0
 at 24 V rated value at 48 V rated value 	10 A 6 A
at 48 v rated value at 60 V rated value	6 A
at 60 v rated value at 110 V rated value	3 A
at 110 V rated value at 125 V rated value	2 A
at 125 V rated value at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	V.10/A
at 24 V rated value	10 A
at 48 V rated value at 48 V rated value	2 A
at 40 V rated value at 60 V rated value	2 A
at 100 V rated value at 110 V rated value	1 A
at 110 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 220 V rated value at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	ridary switching per 100 million (17 v, 1 min)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	4.8 A
at 400 V rated value at 600 V rated value	6.1 A
yielded mechanical performance [hp]	V. I /
• for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
• for 3-phase AC motor	5.1 O 1.1p
— at 200/208 V rated value	1.5 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 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	
with type of coordination 1 required	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
with type of coordination is required with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
side-by-side mounting	Yes
height	70 mm
width	45 mm
depth	73 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— upwards	

— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
 for live parts 	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— 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 	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections	
 for main contacts 	
— solid	2x (0.5 4 mm²)
 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)
at AWG cables for main contacts	2x (20 12)
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
 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 	0.5 4 mm ²
 finely stranded with core end processing 	0.5 2.5 mm ²
finely stranded without core end processing	0.5 2.5 mm²
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)
at AWG cables for auxiliary contacts	2x (20 12)
 AWG number as coded connectable conductor cross section for main contacts 	20 12
 AWG number as coded connectable conductor cross section for auxiliary contacts 	20 12
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures	
with low demand rate acc. to SN 31920	40 %
 with high demand rate acc. to SN 31920 	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
product function	
mirror contact acc. to IEC 60947-4-1	Yes
T1 value for proof test interval or service life acc. to IEC 61508	20 y
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
suitability for use safety-related switching OFF	Yes

Certificates/ approvals

General Product Approval













Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous



Special Test Certificate

Type Test Certificates/Test Report

<u>KC</u>





Marine / Shipping











Confirmation

other

other

Railway



Special Test Certificate

Further information

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=3RT2015-2KB42

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2KB42

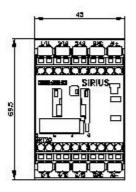
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

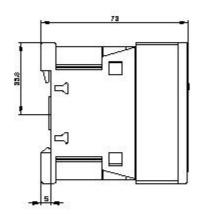
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-2KB42&lang=en

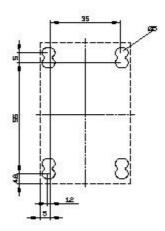
Characteristic: Tripping characteristics, I2t, Let-through current

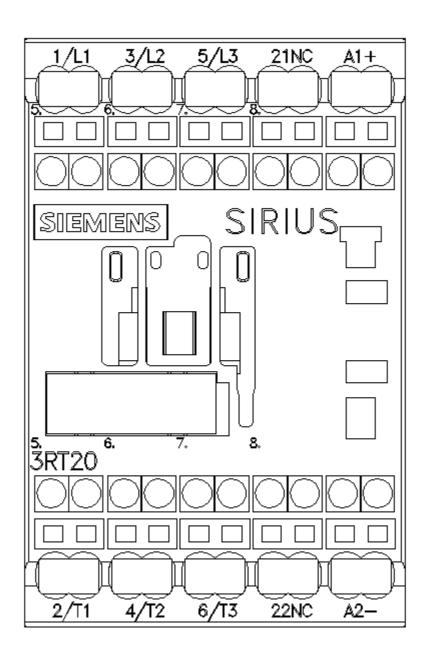
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2KB42/char

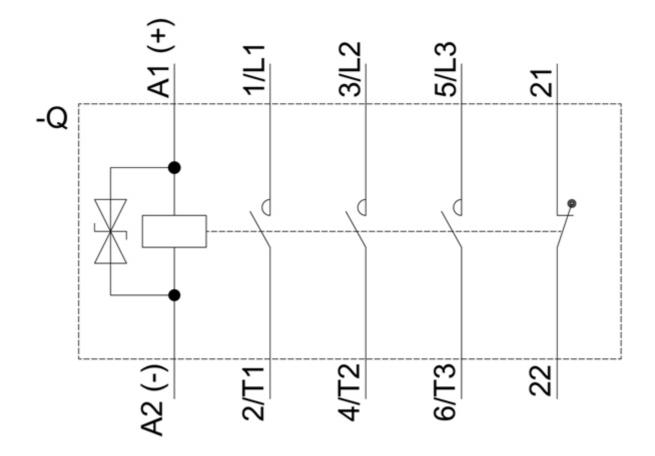
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2KB42&objecttype=14&gridview=view1











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