SIEMENS

Data sheet 3RT2015-1KB42



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, 0.7-1.25* Us, with integrated suppressor diode, auxiliary contacts: 1 NC, screw terminal, frame size: S00, suitable for PLC outputs, not expandable with auxiliary switch expandable

product brand name	SIRIUS
product designation	Coupling contactor
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 	0.6 W
 at AC in hot operating state per pole 	0.2 W
without load current share typical	2.8 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	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 (operating cycles)	
 of contactor typical 	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	0.294 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	153 kg
global warming potential [CO2 eq] during manufacturing	1.42 kg
global warming potential [CO2 eq] during operation	152 kg
global warming potential [CO2 eq] after end of life	-0.305 kg
Main circuit	
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	
— 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	4 A
 up to 230 V for current peak value n=20 rated value 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	0.071
— 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	2.5 mm²
value operational current for approx. 200000 operating cycles at	
AC-4	26.4
at 600 V rated value at 600 V rated value	2.6 A
at 690 V rated value Operational current	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	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

- width 2 assument mother in and a 20 4	
with 3 current paths in series at DC-1 at 24 V roted value.	15 A
— 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	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
with 2 current paths in series at DC-3 at DC-5	45.4
— 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	1.15 kW
• at 690 V rated value	1.15 kW
operating apparent power at AC-6a	1.10 KW
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 up to 400 V for current peak value n=20 rated value	2.7 kVA
	3.3 kVA
up to 500 V for current peak value n=20 rated value up to 600 V for current peak value n=20 rated value	4.3 kVA
up to 690 V for current peak value n=20 rated value	T.J NVA
operating apparent power at AC-6a	1 6//
up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value	1 kVA 1.8 kVA
up to 400 V for current peak value n=30 rated value	1.8 KVA 2.2 kVA
 up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	2.2 kVA 2.9 kVA
short-time withstand current in cold operating state up to	L.J NVA
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
Iimited 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 DC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum	750 1/h
at AC-4 maximum	
operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3e maximum	1 000 1/h 750 1/h 750 1/h

Type of voltage of the control supply voltage and Control supply voltage at DC rated value	Control circuit/ Control	
Control supply voltage at DC rated value of organic coli at 160 or other control supply voltage rated value of mignet coli at 160 or other control supply voltage rated value of eligible color value of inclivation of magnet coli at DC colors power of magnetic coli at CC colors power of magnetic colors power of magnetic colors power of magnetic coli at CC colors power of magnetic power of magnetic colors power of magnetic colors power of magnetic power of ma		DC
Operation Control supply voltage rated value of magnet col at 10°		
Initial value 1.25	operating range factor control supply voltage rated value of	24 V
		0.7
design of the surge surgerssor Suppressor diode Coloning power of magnet coil at DC		
Closing power of magnet coil at DC		
holiding power of magnet coil at DC 2.8 W closing delay at DC 25 130 ms opening delay at DC 7 20 ms at Availlary actival 7 20 ms at 24 Or Cardad value 10 A at 400 V rated value 1 A operational current at DC-12 at 24 V rated value 1 A operational current at DC-12 at 24 V rated value 1 A at 48 V rated value 6 A at 110 V rated value 6 A at 110 V rated value 3 A at 110 V rated value 3 A at 110 V rated value 0.15 A at 120 V rated value 0.15 A at 220 V rated value 1 A at 24 V rated value 2 A at 28 V rated value 2 A at 28 V rated value 2 A at 28 V rated value 2 A at 38 V rated value 2 A at 38 V rated value 3 A at 38 V rated value 0.15 A operational current at DC-13 at 24 V rated value 2 A at 38 V rated value 2 A at 38 V rated value 2 A at 38 V rated value 3 A at 38 V rated value 4 A at 38 V rated value 5 A at 38 V rated value 6 A at 38 V rated value 0.75 A at 38 V rated value 0.75 A at 39 V rated value 0.75 A at 39 V rated value 0.75 A at 40 V rated value 0.75 A at 30 V rated value 0.75 A		
at 10C 25 130 ms 25		
e at DC opening delay		2.8 VV
e at DC		05 400
arcing time		25 130 MS
arcing time		7 00
Control version of the switch operating mechanism Standard A1 - A2		
Auxiliary circuit		
number of NC contacts for auxiliary contacts instantaneous contact		Standard A1 - A2
Departional current at AC-12 maximum 10 A		
a t 230 V rated value	contact	
at 230 V rated value	·	IU A
	•	40.0
• at 690 V rated value		
operational current at DC-12 • at 24 V rated value		
		1 A
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 80 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 360 V rated value • at 360 V rated value • at 480 V rated value • at 480 V rated value • at 360 V rated value • at 480 V rated value • at 6:1 A ylelded mechanical performance [hp] • for single-phase AC motor • at 110/120 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 250/230 V rated value • for 3-phase AC motor • at 250/230 V rated value • for 3-phase AC motor • at 460/480 V rated value • at 450/5600 V rated value • at 450/600 V rated value • A600 / Q800 Short-circuit protection	·	
• at 60 V rated value • at 110 V rated value • at 1125 V rated value • at 220 V rated value • at 220 V rated value • at 800 V rated value • at 800 V rated value • at 600 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 220 V rated value • at 320 V rated value • at 480 V rated value • at 600 V rated value • at 10 V rated value • at 230 V rated value • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 575/600 V rated value • 5 ph • contact rating of auxiliary contacts according to UL Short-circuit protection		
at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 ot 24 V rated value at 46 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 280 V rated value at 80 V rated value at 800 V rated value at 1600 V rated value at 600 V rated value at 20 V rated value at 200 V rated value at 600 V rated value at 110 V rated value at 200 V rated value at 200 V rated value at 110 V rated value at 200 V rated value at 575/600 V rated value		
• at 125 V rated value		
• at 600 V rated value		
operational current at DC-13		
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 48 A at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 7 A A A A A A A A A A A A A A A A A A		0.15 A
 at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value 0.3 A at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value 1.5 hp at 200/208 V rated value at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 	·	
 at 60 V rated value at 110 V rated value at 125 V rated value 0.9 A at 220 V rated value 0.3 A at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value 1.5 hp at 200/230 V rated value at 460/480 V rated value at 575/600 V rated value bp contact rating of auxiliary contacts according to UL Short-circuit protection 		
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • for single-phase AC motor • at 110/120 V rated value • for single-phase AC motor • at 230 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • at 200/208 V rated value • at 2575/600 V rated value • at 575/600 V rated value • bp contact rating of auxiliary contacts according to UL Short-circuit protection		
 at 125 V rated value 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 full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value for single-phase AC motor at 230 V rated value for 3-phase AC motor at 220/230 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 250/300 V rated value for 3-phase AC motor at 250/200 V rated value for 3-phase AC motor at 250/200 V rated value for 3-phase AC motor at 250/200 V rated value for 3-phase AC motor at 250/200 V rated value for 3-phase AC motor At 600/480 V rated value for 3-phase AC motor At 600/480 V rated value for 3-phase AC motor At 600/480 V rated value At 600/480 V rated value Abp At 575/600 V rated value for 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection		
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value at 230 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 4575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection		
at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection		
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 1.5 hp — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection		
full-load current (FLA) for 3-phase AC motor		1 faulty switching per 100 million (17 V, 1 mA)
at 480 V rated value at 600 V rated value for single-phase AC motor — at 110/120 V rated value — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection 6.1 A 4.8 A 6.1 A 6.1 A 6.2 A 6.1 A 6.2 A 6.3 A 6.4 A 6.5 A 6.7 A 6.7 A 6.8 A 6.9 A 6.9 A 6.1 A 6.1 A 6.1 A 6.1 A 6.2 A 6.3 A 6.3 A 6.4 A 6.5 A 6.5 A 6.5 A 6.5 A 6.5 A 6.5 A 6.7 A 6.7 A 6.7 A 6.8 A 6.8 A 6.9		
 ◆ at 600 V rated value for single-phase AC motor — at 110/120 V rated value — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL Short-circuit protection 	. , .	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection		
for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection O.25 hp 0.75 hp 1.5 hp 2 hp 3 hp 4600 / Q600		6.1 A
- at 110/120 V rated value 0.25 hp 0.75 hp • for 3-phase AC motor - 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 Short-circuit protection	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - 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 Short-circuit protection	• for single-phase AC motor	
for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection	— at 110/120 V rated value	0.25 hp
- 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		0.75 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	•	
- 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	— at 200/208 V rated value	
— at 575/600 V rated value 5 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection	— at 220/230 V rated value	2 hp
contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection	— at 460/480 V rated value	3 hp
Short-circuit protection		5 hp
		A600 / Q600
	Short-circuit protection	
of the auxiliary circuit up to 230 V	· · · · · · · · · · · · · · · · · · ·	C characteristic: 10 A; 0.4 kA
design of the fuse link ● for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)	_	gG: 10 A (500 V, 1 kA)

nstallation/ 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 side-by-side mounting	Yes
·	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
fastening method	·
height	58 mm
width	45 mm
depth	73 mm
required spacing	
with side-by-side mounting	40
— forwards	10 mm
— upwards	10 mm
— 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	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
• of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	Colon type terminals
• for main contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— solid or stranded	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)
— finely stranded with core end processing	
for AWG cables for main contacts	2x (20 16), 2x (18 14), 2x 12
connectable conductor cross-section for main contacts	0.5
• solid	0.5 4 mm ²
• stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— 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
AWG number as coded connectable conductor cross section	
• for main contacts	20 12
for auxiliary contacts	20 12
afety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
	No
a nocitively driven operation according to IEC 60047 F 4	INO
positively driven operation according to IEC 60947-5-1 pultable for sofety function.	Voc
suitable for safety function	Yes
suitable for safety function suitability for use safety-related switching OFF	Yes
suitable for safety function	

 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









<u>KC</u>



EMV Test Certificates Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping other









<u>Miscellaneous</u>

Confirmation

Railway Dangerous goods Environment

Special Test Certificate

ate

<u>Transport Information</u>



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=3RT2015-1KB42

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1KB42

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1KB42

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

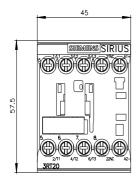
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1KB42&lang=en

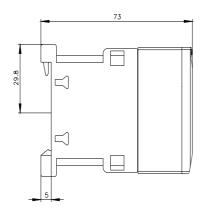
Characteristic: Tripping characteristics, I^2t , Let-through current

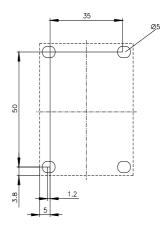
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1KB42/char

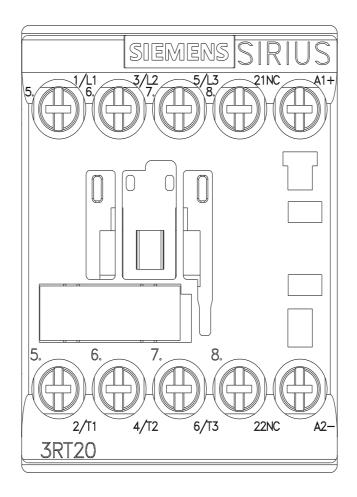
Further characteristics (e.g. electrical endurance, switching frequency)

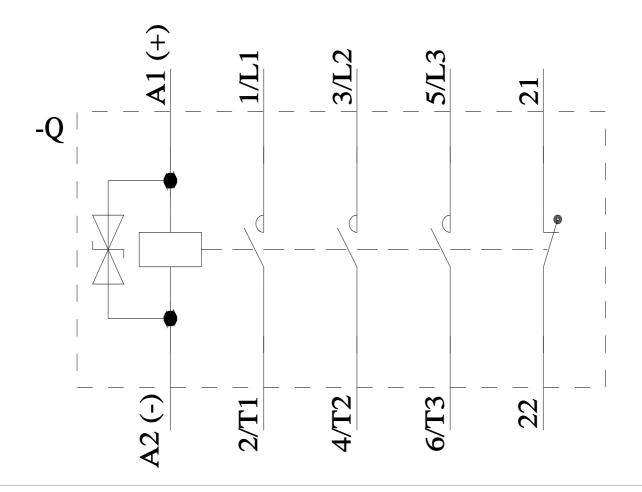
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