



capacitor contactor, AC-6b 25 kVA_r, / 400 V, 3-pole, 110 V DC, auxiliary contacts:
1 NO + 2 NC, screw terminal, size: S0

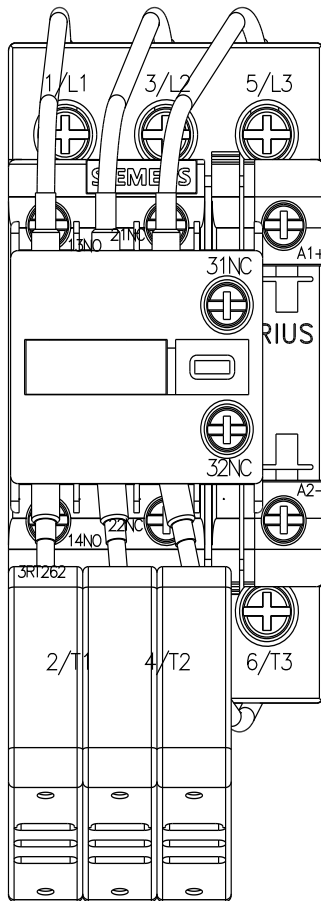
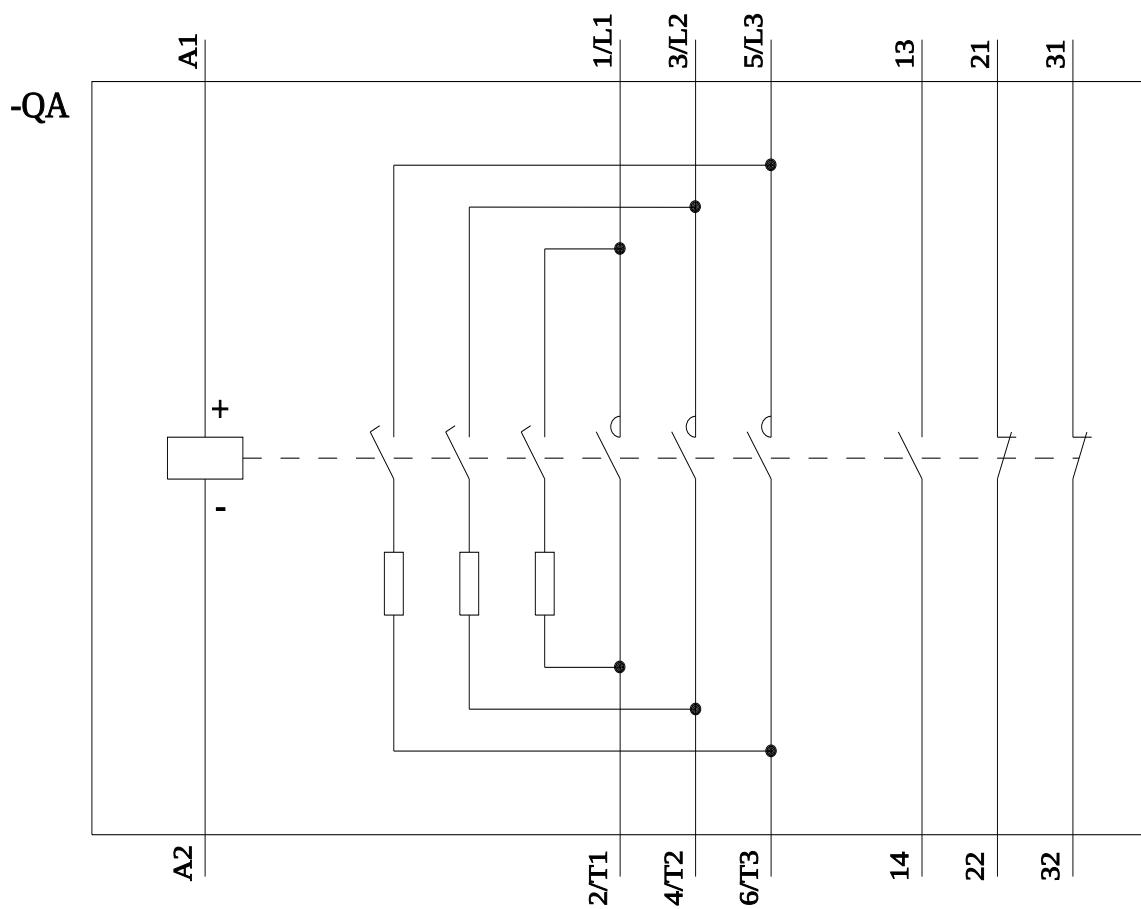
product brand name	SIRIUS
product designation	capacitor contactors
product type designation	3RT26
General technical data	
size of contactor	S0
product extension auxiliary switch	No
power loss [W] for rated value of the current <ul style="list-style-type: none"> at AC in hot operating state per pole without load current share typical 	2.7 W 5.9 W
type of calculation of power loss current-dependent	quadratic
insulation voltage <ul style="list-style-type: none"> of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value 	690 V 690 V
surge voltage resistance <ul style="list-style-type: none"> of main circuit rated value of auxiliary circuit rated value 	6 kV 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 <ul style="list-style-type: none"> at DC 	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse <ul style="list-style-type: none"> at DC 	15 g / 5 ms, 10 g / 10 ms
mechanical service life (operating cycles) <ul style="list-style-type: none"> of the contactor with added auxiliary switch block typical 	3 000 000
electrical endurance (operating cycles)	200 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (day/month/year)	05/01/2014
Net Weight	717 g
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature <ul style="list-style-type: none"> during operation during storage 	-25 ... +60 °C -55 ... +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3

number of NC contacts for main contacts	0
operational current at AC-6b at 690 V at ambient temperature 60 °C rated value	36 A
operating reactive power at AC-6b	
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value	5 ... 14 kvar
• at 400 V at 50/60 Hz at ambient temperature 60 °C rated value	8 ... 25 kvar
• at 500 V at 50/60 Hz at ambient temperature 60 °C rated value	10 ... 31 kvar
• at 690 V at 50/60 Hz at ambient temperature 60 °C rated value	14 ... 43 kvar
no-load switching frequency	
• at DC	500 1/h
operating frequency at AC-6b	
• at 230 V maximum	100 1/h
• at 240 V maximum	100 1/h
• at 400 V maximum	100 1/h
• at 480 V maximum	100 1/h
• at 500 V maximum	100 1/h
• at 600 V maximum	100 1/h
• at 690 V maximum	72 1/h
Control circuit/ Control	
type of voltage	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	110 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
closing power of magnet coil at DC	5.9 W
holding power of magnet coil at DC	5.9 W
closing delay	
• at DC	50 ... 170 ms
opening delay	
• at DC	15 ... 18 ms
arcing time	10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
• attachable	0
• instantaneous contact	2
number of NO contacts for auxiliary contacts	1
• attachable	0
• instantaneous contact	1
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 230 V	6 A
• at 400 V	3 A
• at 690 V	1 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 60 V	2 A
• at 110 V	1 A
• at 125 V	0.9 A
• at 220 V	0.3 A
contact reliability of auxiliary contacts	0.00000001
UL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q600
UL File Number (CCN)	E31519 (NLDX, NLDX7)

Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link <ul style="list-style-type: none"> for short-circuit protection of the main circuit with type of coordination 1 required for short-circuit protection of the auxiliary switch required 	gG: 80 A (690 V, 50 kA) gG: 10 A (690 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 DIN rail according to DIN EN 50022
height	135 mm
width	45 mm
depth	165 mm
required spacing <ul style="list-style-type: none"> with side-by-side mounting at the side for grounded parts at the side 	10 mm 10 mm
Connections/ Terminals	
type of electrical connection <ul style="list-style-type: none"> for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil 	screw-type terminals screw-type terminals Screw-type terminals screw terminal
type of connectable conductor cross-sections for main contacts <ul style="list-style-type: none"> solid stranded solid or stranded finely stranded with core end processing 	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²
type of connectable conductor cross-sections <ul style="list-style-type: none"> for auxiliary contacts <ul style="list-style-type: none"> — solid — 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 (20 ... 16), 2x (18 ... 14), 2x 12
type of minimum connectable cross-sections for main contacts at AC-6b <ul style="list-style-type: none"> at 40 °C at 60 °C 	1x 10 mm² 2x 10 mm²
AWG number as coded connectable conductor cross section for main contacts	16 ... 8
Safety related data	
product function <ul style="list-style-type: none"> mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	No No
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	
Environmental Product Declaration	
<ul style="list-style-type: none"> global warming potential [CO2 eq] / during manufacturing global warming potential [CO2 eq] / during operation global warming potential [CO2 eq] / after end of life global warming potential [CO2 eq] / total 	2.47 kg 104 kg -0.226 kg 106 kg
Environment	General Product Approval

[Environmental Con-
firmations](#)





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