

Capacitor contactor, AC-6b 25 kVAr, / 400 V 1 NO + 2 NC, 24 V AC, 50/60 Hz 3-pole, Size S0 screw terminal



Figure similar

Product brand name	SIRIUS
Product designation	capacitor contactors
Product type designation	3RT26
General technical data	
Size of contactor	S0
Product extension	
• Auxiliary switch	No
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
Protection class IP	
• on the front	IP20
• of the terminal	IP20
Shock resistance at rectangular impulse	

• at AC	8,3g / 5 ms, 5,3g / 10 ms
Shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
Mechanical service life (switching cycles)	
• of the contactor with added auxiliary switch block typical	3 000 000
Electrical endurance (switching cycles)	200 000
Reference code acc. to DIN EN 81346-2	Q

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

Main circuit

Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating current	
• at AC-6b at 690 V at ambient temperature 60 °C rated value	36 A
Operational 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 AC	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	AC
Type of voltage of the control supply voltage	AC

Control supply voltage at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
Control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
Operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 ... 1.1
• at 60 Hz	0.85 ... 1.1
Apparent pick-up power of magnet coil at AC	81 V·A
Inductive power factor with closing power of the coil	0.72
Apparent holding power of magnet coil at AC	10.5 V·A
Inductive power factor with the holding power of the coil	0.25
Closing delay	
• at AC	8 ... 40 ms
Arcing time	10 ... 15 ms
Residual current of the electronics for control with signal <0>	
• at AC at 230 V maximum permissible	7 mA

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
Operating current of auxiliary contacts at AC-12 maximum	10 A
Operating current of auxiliary contacts at AC-15	
• at 230 V	6 A
• at 400 V	3 A
Operating 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
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Short-circuit protection

Design of the fuse link

- 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)

fuse gL/gG: 10 A

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

Mounting type

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

Height

135 mm

Width

45 mm

Depth

155 mm

Required spacing

- with side-by-side mounting
 - at the side
- for grounded parts
 - at the side

10 mm

10 mm

Connections/Terminals

Type of electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

Type of connectable conductor cross-sections

- for main contacts
 - solid
 - stranded
 - single or multi-stranded
 - finely stranded with core end processing
- at AWG conductors for main contacts

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

2x (16 ... 12), 2x (14 ... 8)

Type of connectable conductor cross-sections

- for auxiliary contacts
 - solid
 - single or multi-stranded
 - finely stranded with core end processing
- at AWG conductors 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-section for main contacts at AC-6b

- 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
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Safety related data

Product function	
• Mirror contact acc. to IEC 60947-4-1	No
• positively driven operation acc. to IEC 60947-5-1	No
Protection against electrical shock	finger-safe

Certificates/approvals

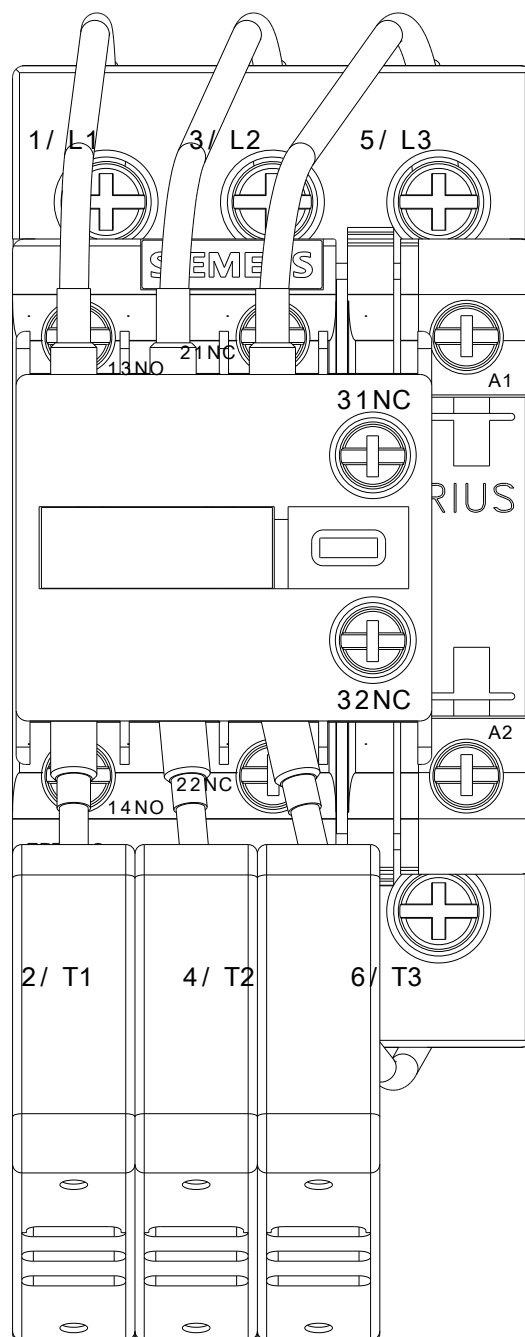
General Product Approval	Declaration of Conformity	Test Certificates
 CCC	 EAC	 EG-Konf.
 CSA		Type Test Certificates/Test Report
 UL		

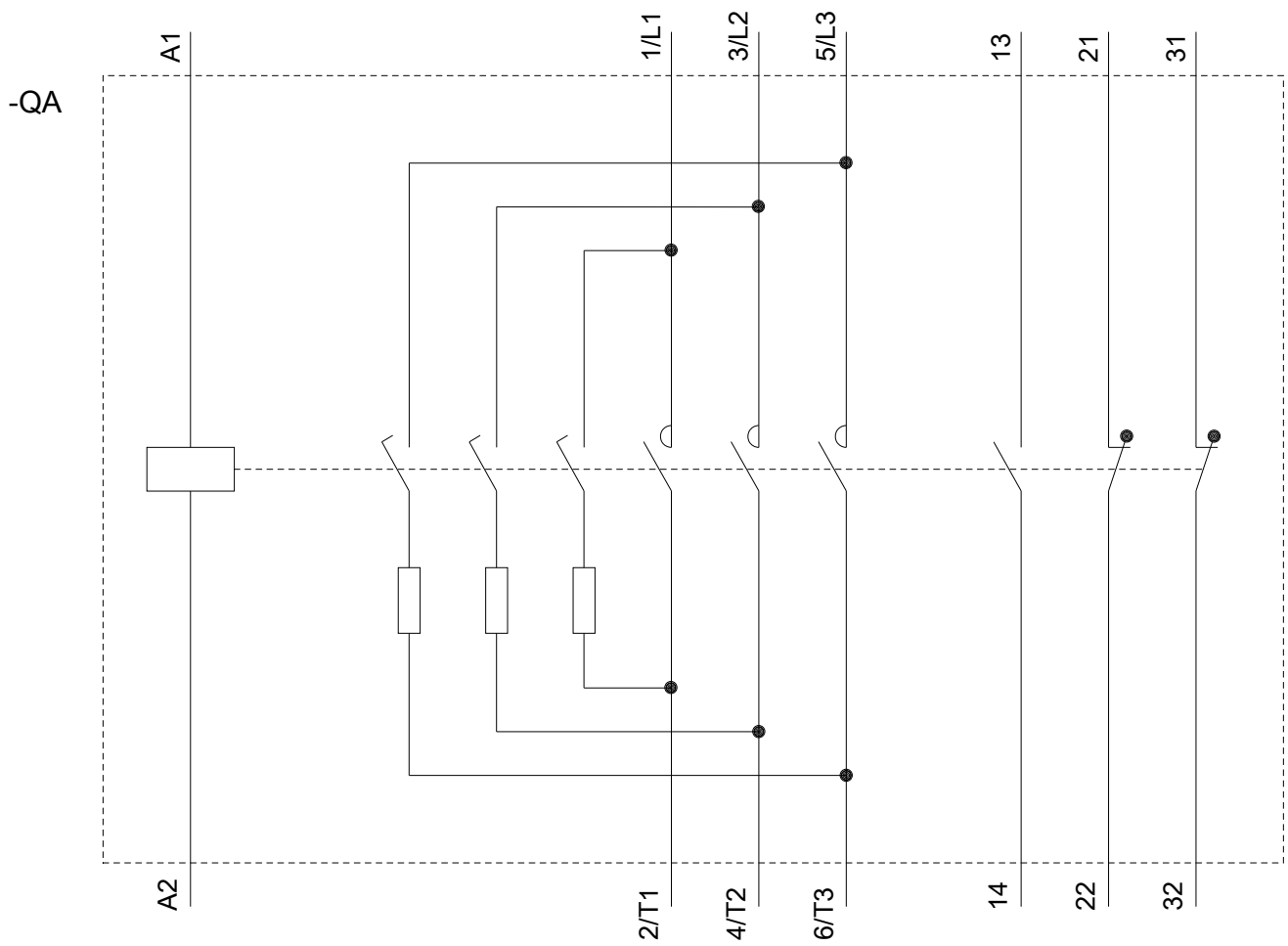
Marine / Shipping					
 ABS	 BUREAU VERITAS	 LRS	 RINA	 RMRS	 DNV-GL DNVGL.COM/AF

other	
Confirmation	 VDE

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2627-1AC25
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2627-1AC25
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2627-1AC25
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2627-1AC25&lang=en
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2627-1AC25/char
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2627-1AC25&objecttype=14&gridview=view1





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