

CONTACT., AC-6B, 12.5KVAR/400V, 1NO+1NC, 110 V AC 50 HZ / 120 V 60 HZ, 3-POLE, SIZE S00 SCREW TERMINALS



Figure similar

product brandname	SIRIUS
Product designation	capacitor contactors
Product type designation	3RT26
General technical data	
Size of contactor	S00
Product extension	No
• Auxiliary switch	
Insulation voltage	690 V
• rated value	
Degree of pollution	3
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	400 V
• between coil and main contacts acc. to EN 60947-1	
Protection class IP	IP20
• on the front	
Shock resistance at rectangular impulse	

<ul style="list-style-type: none"> • at AC 	6,7g / 5 ms, 4,2g / 10 ms
Shock resistance with sine pulse	
<ul style="list-style-type: none"> • at AC 	10,5g / 5 ms, 6,6g / 10 ms
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • of the contactor with added auxiliary switch block typical 	3 000 000
Electrical endurance (switching cycles)	300 000

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +60 °C
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • at AC-6b at 690 V at ambient temperature 60 °C rated value 	18 A
No-load switching frequency	
<ul style="list-style-type: none"> • at AC 	500 1/h
Operating frequency at AC-6b	
<ul style="list-style-type: none"> • at 230 V maximum • at 240 V maximum • at 400 V maximum • at 480 V maximum • at 500 V maximum • at 600 V maximum 	180 1/h 180 1/h 180 1/h 180 1/h 180 1/h 180 1/h

Control circuit/ Control	
Type of voltage	AC
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
<ul style="list-style-type: none"> • at 50 Hz rated value • at 60 Hz rated value 	110 ... 110 V 120 ... 120 V
Operating range factor control supply voltage rated value of magnet coil at AC	
<ul style="list-style-type: none"> • at 50 Hz • at 60 Hz 	0.8 ... 1.1 0.85 ... 1.1
Apparent pick-up power of magnet coil at AC	49 V·A
Inductive power factor with closing power of the coil	0.8
Apparent holding power of magnet coil at AC	7.8 V·A
Inductive power factor with the holding power of the coil	0.25
Closing delay	

<ul style="list-style-type: none"> • at AC 	8 ... 33 ms
Arcing time	10 ... 15 ms
Residual current of the electronics for control with signal <0>	
<ul style="list-style-type: none"> • at AC at 230 V maximum permissible 	3 mA

Auxiliary circuit

Number of NC contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	1
<ul style="list-style-type: none"> — attachable 	0
<ul style="list-style-type: none"> — instantaneous contact 	1
Number of NO contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	1
<ul style="list-style-type: none"> — attachable 	0
<ul style="list-style-type: none"> — instantaneous contact 	1
Operating current of auxiliary contacts at AC-12 maximum	10 A
Operating current of auxiliary contacts at AC-15	
<ul style="list-style-type: none"> • at 230 V 	6 A
<ul style="list-style-type: none"> • at 400 V 	3 A
Operating current of auxiliary contacts at DC-13	
<ul style="list-style-type: none"> • at 24 V 	6 A
<ul style="list-style-type: none"> • at 60 V 	2 A
<ul style="list-style-type: none"> • at 110 V 	1 A
<ul style="list-style-type: none"> • at 125 V 	0.9 A
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit <ul style="list-style-type: none"> — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required 	gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 40 A 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	125 mm

Width	45 mm
Depth	120 mm
Required spacing	
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — at the side • for grounded parts <ul style="list-style-type: none"> — 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 current circuit 	<p>screw-type terminals</p> <p>screw-type terminals</p>
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts 	<p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²</p> <p>2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), 2x 4 mm²</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (20 ... 16), 2x (18 ... 14), 2x 12</p>
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts 	<p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²</p> <p>2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), 2x 4 mm²</p> <p>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (20 ... 16), 2x (18 ... 14), 2x 12</p>
Type of minimum connectable cross-section for main contacts at AC-6b	
<ul style="list-style-type: none"> • at 40 °C • at 60 °C 	<p>1x 4 mm², 2x 2.5 mm²</p> <p>2x 4 mm²</p>

Safety related data

Product function	
<ul style="list-style-type: none"> • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1 	<p>No</p> <p>No</p>

Certificates/approvals

General Product Approval	Declaration of Conformity	Shipping Approval
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Shipping Approval	other
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[Bestätigungen](#)

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=3RT2617-1AK63>

Cax online generator

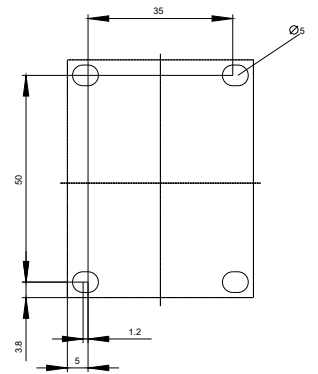
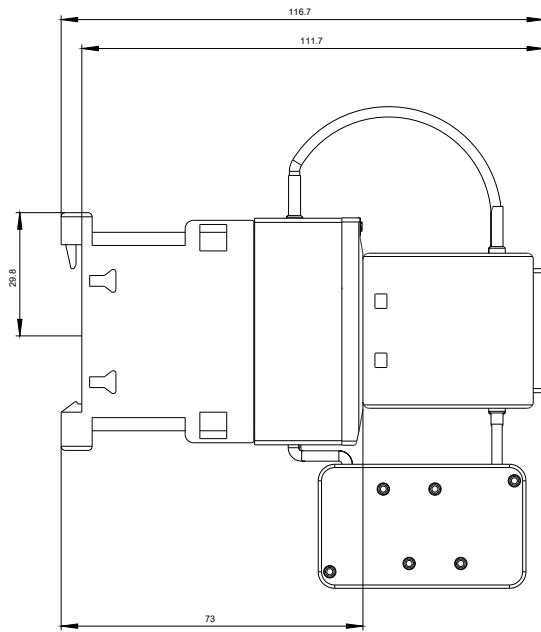
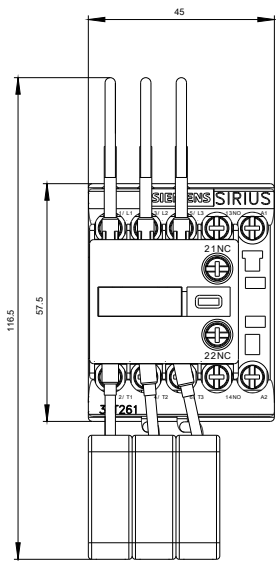
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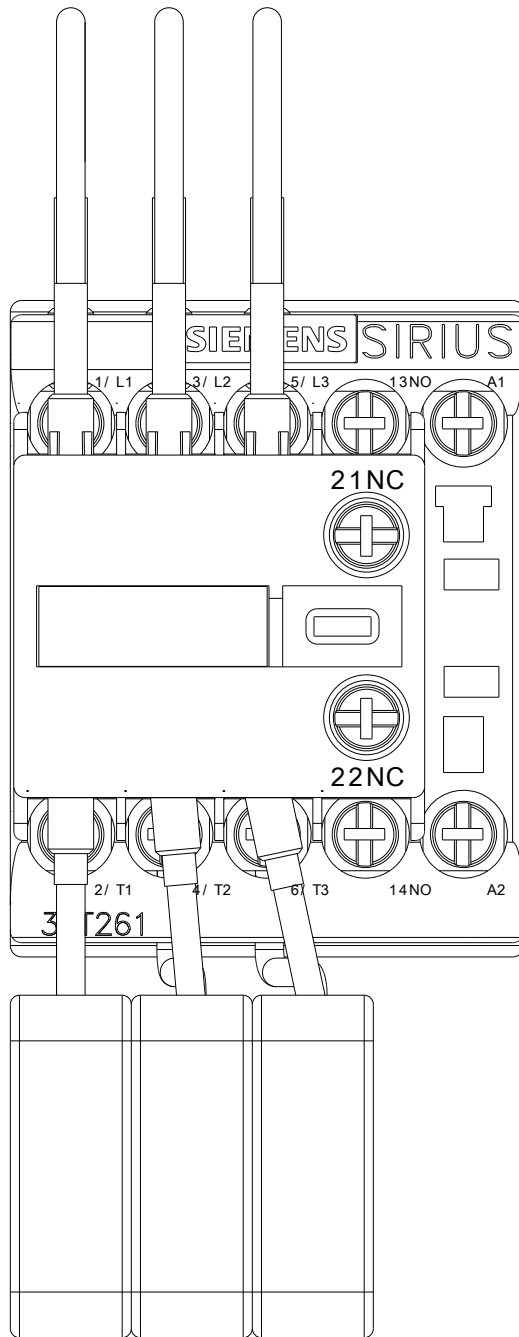
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

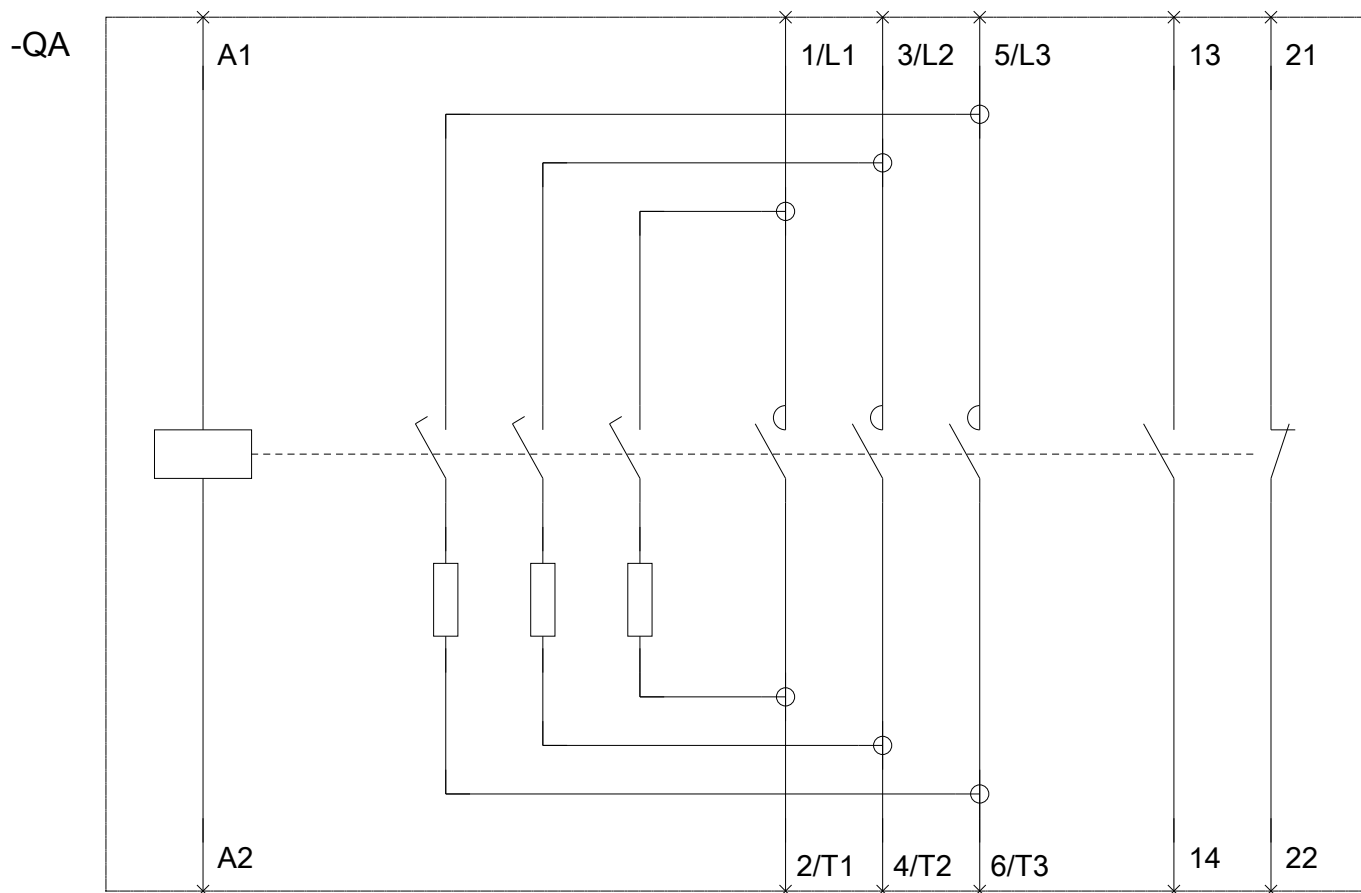
<https://support.industry.siemens.com/cs/ww/en/ps/3RT2617-1AK63>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2617-1AK63&lang=en







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