



capacitor contactor, AC-6b 33 kVAr, / 400 V, 3-pole, 200-280 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 2 NC, screw terminal, size: S0

product brand name	SIRIUS
product designation	capacitor contactors
product type designation	3RT26
<b>General technical data</b>	
size of contactor	S0
product extension auxiliary switch	No
power loss [W] for rated value of the current	
• at AC in hot operating state per pole	3.8 W
• without load current share typical	2.4 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 AC	8,3g / 5 ms, 5,3g / 10 ms
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	
• of the contactor with added auxiliary switch block typical	3 000 000
electrical endurance (operating cycles)	150 000
reference code according to IEC 81346-2	Q
Substance Prohibition (Date)	05/01/2014
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	0.783 kg
<b>Ambient conditions</b>	
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 %
<b>Environmental footprint</b>	

Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	106 kg
global warming potential [CO2 eq] during manufacturing	2.47 kg
global warming potential [CO2 eq] during operation	104 kg
global warming potential [CO2 eq] after end of life	-0.226 kg
<b>Main circuit</b>	
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	47.6 A
<b>operating reactive power at AC-6b</b>	
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value	6 ... 19 kvar
• at 400 V at 50/60 Hz at ambient temperature 60 °C rated value	11 ... 33 kvar
• at 500 V at 50/60 Hz at ambient temperature 60 °C rated value	14 ... 41 kvar
• at 690 V at 50/60 Hz at ambient temperature 60 °C rated value	19 ... 57 kvar
<b>no-load switching frequency</b>	
• at AC	500 1/h
• at DC	500 1/h
<b>operating frequency at AC-6b</b>	
• 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	70 1/h
• at 500 V maximum	65 1/h
• at 600 V maximum	45 1/h
• at 690 V maximum	36 1/h
<b>Control circuit/ Control</b>	
type of voltage	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	200 ... 280 V
• at 60 Hz rated value	200 ... 280 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
control supply voltage at DC rated value	200 ... 280 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.7
• full-scale value	1.3
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.7 ... 1.3
• at 60 Hz	0.7 ... 1.3
inrush current peak	25 A
duration of inrush current peak	30 µs
locked-rotor current mean value	0.1 A
locked-rotor current peak	0.13 A
duration of locked-rotor current	180 ms
holding current mean value	17 mA
apparent pick-up power of magnet coil at AC	14.7 VA
inductive power factor with closing power of the coil	0.98
apparent holding power of magnet coil at AC	4.3 VA
inductive power factor with the holding power of the coil	0.56
closing power of magnet coil at DC	14.3 W
holding power of magnet coil at DC	1.9 W
closing delay	
• at AC	50 ... 80 ms

• at DC	50 ... 80 ms
<b>opening delay</b>	
• at AC	30 ... 50 ms
• at DC	30 ... 50 ms
<b>arcing time</b>	10 ... 10 ms
<b>control version of the switch operating mechanism</b>	Standard A1 - A2
<b>residual current of the electronics for control with signal &lt;0&gt;</b>	
• at AC at 230 V maximum permissible	7 mA
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	2
• attachable	0
• instantaneous contact	2
<b>number of NO contacts for auxiliary contacts</b>	1
• attachable	0
• instantaneous contact	1
<b>operational current of auxiliary contacts at AC-12 maximum</b>	10 A
<b>operational current of auxiliary contacts at AC-15</b>	
• at 230 V	6 A
• at 400 V	3 A
• at 690 V	1 A
<b>operational current of auxiliary contacts at DC-13</b>	
• 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
<b>contact reliability of auxiliary contacts</b>	0.00000001
<b>UL/CSA ratings</b>	
<b>contact rating of auxiliary contacts according to UL</b>	A600 / Q600
<b>Short-circuit protection</b>	
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
<b>design of the fuse link</b>	
• for short-circuit protection of the main circuit with type of coordination 1 required	gG: 100 A (690 V, 50 kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (690 V, 1 kA)
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
<b>fastening method</b>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022
<b>height</b>	150 mm
<b>width</b>	45 mm
<b>depth</b>	165 mm
<b>required spacing</b>	
• with side-by-side mounting at the side	10 mm
• for grounded parts at the side	10 mm
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	
• 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
<b>type of connectable conductor cross-sections for main contacts</b>	
• solid	1x (2.5 ... 25 mm <sup>2</sup> )
• stranded	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
• solid or stranded	1x (2.5 ... 25 mm <sup>2</sup> )
• finely stranded with core end processing	1x (2.5 ... 16 mm <sup>2</sup> )
<b>type of connectable conductor cross-sections</b>	
• for auxiliary contacts	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>
— solid	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>
— solid or stranded	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>

— finely stranded with core end processing • for AWG cables for auxiliary contacts	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (20 ... 16), 2x (18 ... 14), 2x 12
<b>type of minimum connectable cross-sections for main contacts at AC-6b</b> • at 40 °C • at 60 °C	1x 16 mm <sup>2</sup> 1x 25 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section for main contacts</b>	10 ... 4

<b>Safety related data</b>	
<b>product function</b>	
• mirror contact according to IEC 60947-4-1	No
• positively driven operation according to IEC 60947-5-1	No
<b>Electrical Safety</b>	
<b>protection class IP on the front according to IEC 60529</b>	IP20
<b>touch protection on the front according to IEC 60529</b>	finger-safe, for vertical contact from the front

#### Approvals Certificates

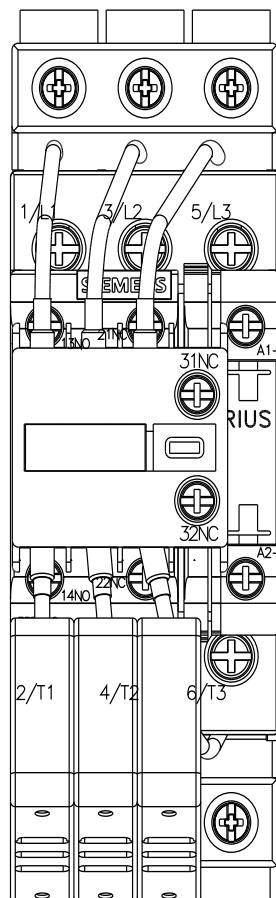
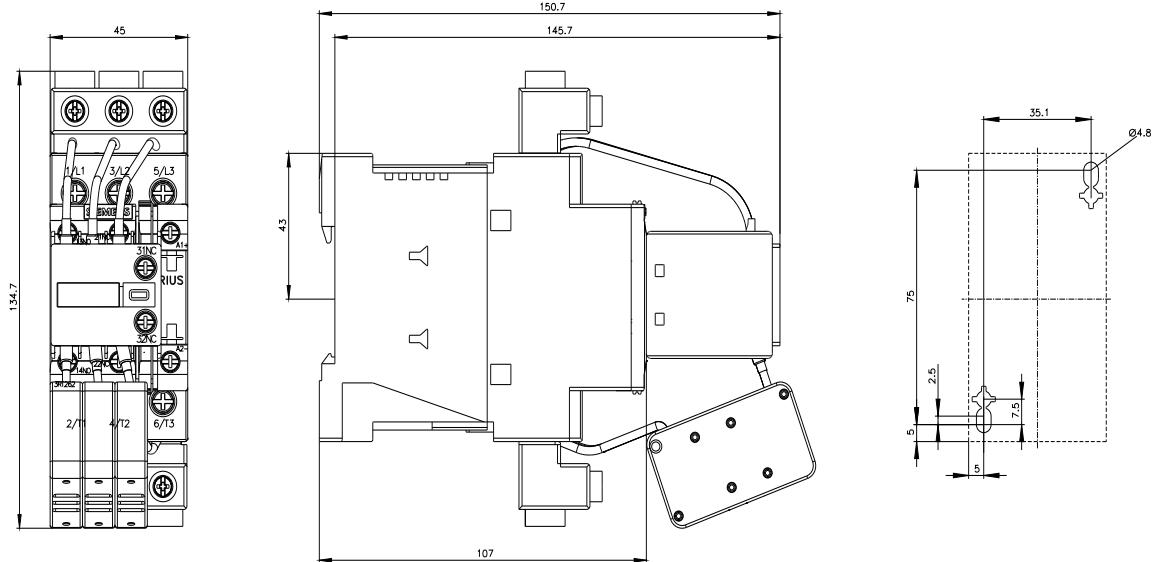
General Product Approval | EMV

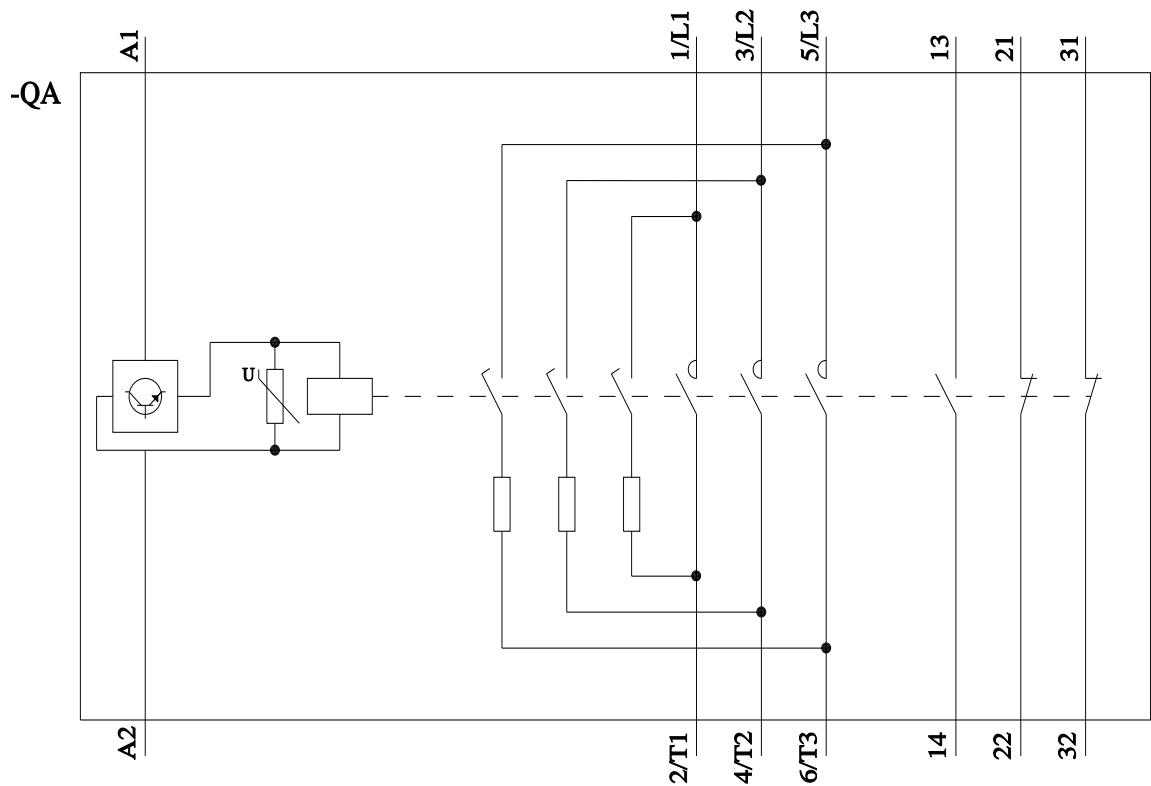


Test Certificates	Maritime application	other
<a href="#">Type Test Certificates/Test Report</a>		<a href="#">Miscellaneous</a>

other	Dangerous goods	Environment
<a href="#">Confirmation</a>	<a href="#">Transport Information</a>	<a href="#">Environmental Confirmations</a>

<b>Further information</b>	
<b>Information on the packaging</b>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>
<b>Information for data generation and storage</b>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a>
<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b>	<a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>
<b>Industry Mall (Online ordering system)</b>	<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2628-1NP35">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2628-1NP35</a>
<b>Cax online generator</b>	<a href="http://support.automation.siemens.com/WW/CAxOrder/default.aspx?lang=en&amp;mlfb=3RT2628-1NP35">http://support.automation.siemens.com/WW/CAxOrder/default.aspx?lang=en&amp;mlfb=3RT2628-1NP35</a>
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b>	<a href="https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NP35">https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NP35</a>
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b>	<a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2628-1NP35&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2628-1NP35&amp;lang=en</a>
<b>Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current</b>	<a href="https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NP35/char">https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NP35/char</a>
<b>Further characteristics (e.g. electrical endurance, switching frequency)</b>	<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&amp;mlfb=3RT2628-1NP35&amp;objecttype=14&amp;gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&amp;mlfb=3RT2628-1NP35&amp;objecttype=14&amp;gridview=view1</a>





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