



capacitor contactor, AC-6b 12.5 kVAr, / 400 V, 3-pole, 24 V DC, auxiliary contacts: 2 NC, screw terminal, size: S00

product brand name	SIRIUS
product designation	capacitor contactors
product type designation	3RT26
<b>General technical data</b>	
size of contactor	S00
product extension auxiliary switch	No
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 the contactor with added auxiliary switch block typical	3 000 000
electrical endurance (operating cycles)	300 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2014
<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>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	18 A
operating reactive power at AC-6b	
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value	0 ... 7.2 kvar
• at 400 V at 50/60 Hz at ambient temperature 60 °C rated value	0 ... 12.5 kvar

<ul style="list-style-type: none"> <li>• at 500 V at 50/60 Hz at ambient temperature 60 °C rated value</li> <li>• at 690 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul>	0 ... 15 kvar 0 ... 21 kvar
<b>no-load switching frequency</b>	
<ul style="list-style-type: none"> <li>• at DC</li> </ul>	500 1/h
<b>operating frequency at AC-6b</b>	
<ul style="list-style-type: none"> <li>• at 230 V maximum</li> <li>• at 240 V maximum</li> <li>• at 400 V maximum</li> <li>• at 480 V maximum</li> <li>• at 500 V maximum</li> <li>• at 600 V maximum</li> <li>• at 690 V maximum</li> </ul>	180 1/h 180 1/h 180 1/h 180 1/h 180 1/h 180 1/h 180 1/h
<b>Control circuit/ Control</b>	
<b>type of voltage</b>	DC
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC</b>	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	24 V
<b>operating range factor control supply voltage rated value of magnet coil at DC</b>	
<ul style="list-style-type: none"> <li>• initial value</li> <li>• full-scale value</li> </ul>	0.85 1.1
<b>closing power of magnet coil at DC</b>	4 W
<b>holding power of magnet coil at DC</b>	4 W
<b>closing delay</b>	
<ul style="list-style-type: none"> <li>• at DC</li> </ul>	30 ... 100 ms
<b>opening delay</b>	
<ul style="list-style-type: none"> <li>• at DC</li> </ul>	7 ... 13 ms
<b>arcing time</b>	10 ... 15 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>	
<ul style="list-style-type: none"> <li>• at DC at 24 V maximum permissible</li> </ul>	10 mA
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	2
<ul style="list-style-type: none"> <li>• attachable</li> <li>• instantaneous contact</li> </ul>	0 2
<b>number of NO contacts for auxiliary contacts</b>	0
<ul style="list-style-type: none"> <li>• attachable</li> <li>• instantaneous contact</li> </ul>	0 0
<b>operational current of auxiliary contacts at AC-12 maximum</b>	10 A
<b>operational current of auxiliary contacts at AC-15</b>	
<ul style="list-style-type: none"> <li>• at 230 V</li> <li>• at 400 V</li> <li>• at 690 V</li> </ul>	6 A 3 A 1 A
<b>operational current of auxiliary contacts at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 60 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> </ul>	6 A 2 A 1 A 0.9 A 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>	
<b>design of the fuse link</b>	
<ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit with type of coordination 1 required</li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 40 A (690 V, 50 kA) gG: 10 A (500 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>	125 mm
<b>width</b>	45 mm
<b>depth</b>	120 mm
<b>required spacing</b>	
• with side-by-side mounting at the side	10 mm
• for grounded parts at the side	10 mm

#### Connections/ Terminals

<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
type of connectable conductor cross-sections for main contacts	
• solid	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²
• stranded	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
• finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
<b>type of connectable conductor cross-sections</b>	
• for auxiliary 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
— 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
<b>type of minimum connectable cross-sections for main contacts at AC-6b</b>	
• at 40 °C	1x 4 mm², 2x 2.5 mm²
• at 60 °C	2x 4 mm²
AWG number as coded connectable conductor cross section for main contacts	20 ... 12

#### Safety related data

<b>product function</b>	
• mirror contact according to IEC 60947-4-1	No
• positively driven operation according to IEC 60947-5-1	No
<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

#### Certificates/ approvals

General Product Approval	EMC
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[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Dangerous Good
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[Confirmation](#)



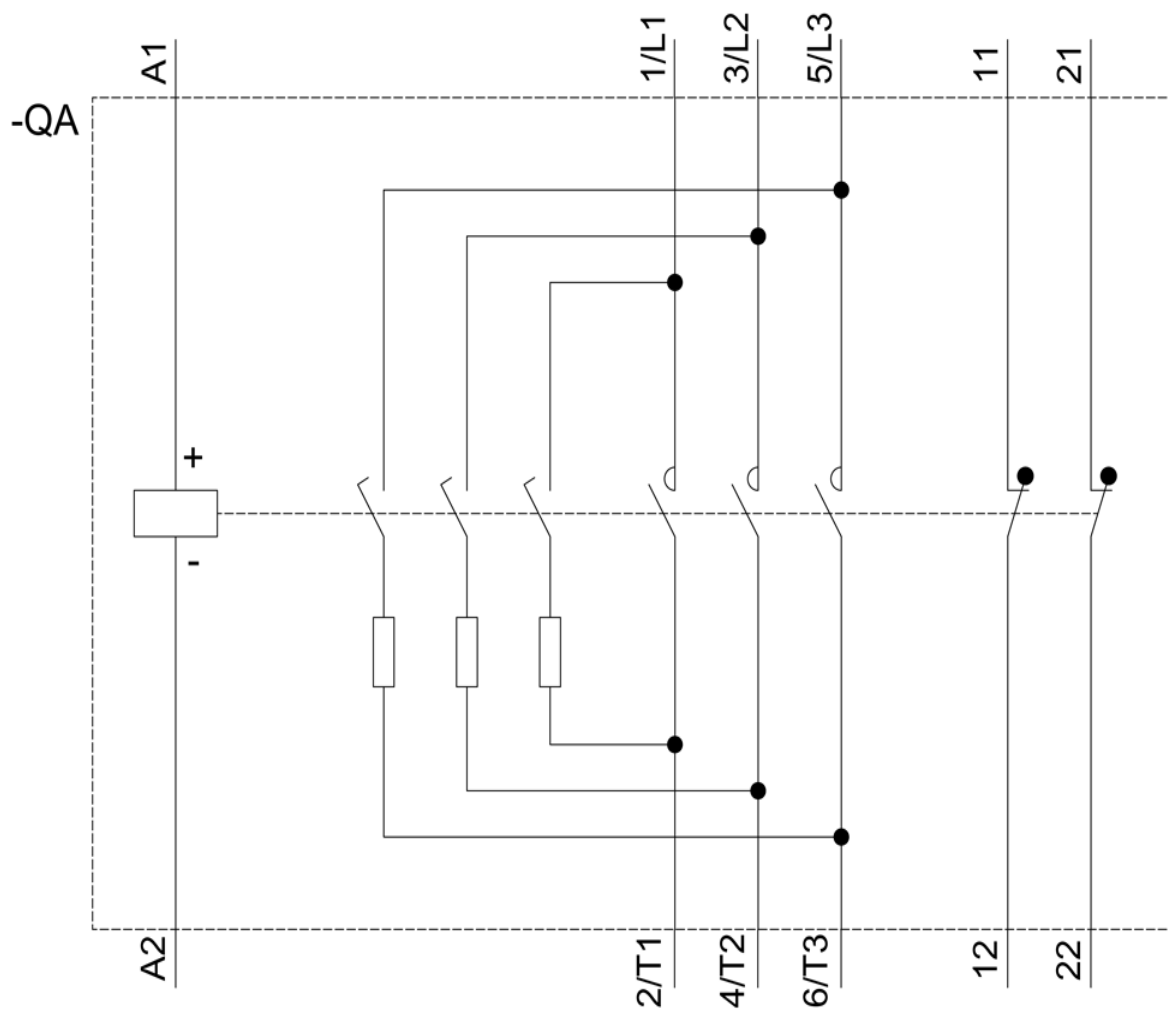
[Transport Information](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2617-1BB45&objecttype=14&gridview=view1>





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