



Capacitor contactor, AC-6b 16.7 kVAr, / 400 V 1 NO + 2 NC, 230 V AC, 50 Hz 3-pole, Size S0 screw terminal

<b>product brand name</b>	SIRIUS
<b>product designation</b>	capacitor contactors
<b>product type designation</b>	3RT26
<b>General technical data</b>	
<b>size of contactor</b>	S0
product extension auxiliary switch	No
<b>surge voltage resistance</b>	
• 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
<b>shock resistance at rectangular impulse</b>	
• at AC	7,5g / 5 ms, 4,7g / 10 ms
<b>shock resistance with sine pulse</b>	
• at AC	11,8g / 5 ms, 7,4g / 10 ms
<b>mechanical service life (switching cycles)</b>	
• of the contactor with added auxiliary switch block typical	3 000 000
<b>electrical endurance (switching cycles)</b>	200 000
<b>reference code acc. to IEC 81346-2</b>	Q
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
• ambient temperature during operation	-25 ... +60 °C
• ambient temperature during storage	-55 ... +80 °C
<b>Main circuit</b>	
<b>number of NO contacts for main contacts</b>	3
<b>number of NC contacts for main contacts</b>	0
operational current at AC-6b at 690 V at ambient temperature 60 °C rated value	24 A
<b>operating reactive power at AC-6b</b>	
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value	3 ... 9.6 kvar
• at 400 V at 50/60 Hz at ambient temperature 60 °C rated value	6 ... 16.7 kvar
• at 500 V at 50/60 Hz at ambient temperature 60 °C rated value	7 ... 21 kvar
• at 690 V at 50/60 Hz at ambient temperature 60 °C rated value	10 ... 29 kvar
<b>no-load switching frequency</b>	

<ul style="list-style-type: none"> <li>• at AC</li> </ul>	500 1/h
<b>operating frequency at AC-6b</b>	
<ul style="list-style-type: none"> <li>• at 230 V maximum</li> </ul>	180 1/h
<ul style="list-style-type: none"> <li>• at 240 V maximum</li> </ul>	180 1/h
<ul style="list-style-type: none"> <li>• at 400 V maximum</li> </ul>	180 1/h
<ul style="list-style-type: none"> <li>• at 480 V maximum</li> </ul>	180 1/h
<ul style="list-style-type: none"> <li>• at 500 V maximum</li> </ul>	180 1/h
<ul style="list-style-type: none"> <li>• at 600 V maximum</li> </ul>	180 1/h
<ul style="list-style-type: none"> <li>• at 690 V maximum</li> </ul>	150 1/h
<b>Control circuit/ Control</b>	
<b>type of voltage</b>	AC
<b>type of voltage of the control supply voltage</b>	AC
<ul style="list-style-type: none"> <li>• control supply voltage at AC at 50 Hz rated value</li> </ul>	230 V
<b>control supply voltage frequency</b>	
<ul style="list-style-type: none"> <li>• 1 rated value</li> </ul>	50 Hz
<b>operating range factor control supply voltage rated value of magnet coil at AC</b>	
<ul style="list-style-type: none"> <li>• at 50 Hz</li> </ul>	0.8 ... 1.1
<b>apparent pick-up power of magnet coil at AC</b>	77 V·A
<b>inductive power factor with closing power of the coil</b>	0.82
<b>apparent holding power of magnet coil at AC</b>	9.8 V·A
<b>inductive power factor with the holding power of the coil</b>	0.25
<b>closing delay</b>	
<ul style="list-style-type: none"> <li>• at AC</li> </ul>	9 ... 38 ms
<b>arcing time</b>	10 ... 15 ms
<b>residual current of the electronics for control with signal &lt;0&gt;</b>	
<ul style="list-style-type: none"> <li>• at AC at 230 V maximum permissible</li> </ul>	6 mA
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	2
<ul style="list-style-type: none"> <li>• attachable</li> </ul>	0
<ul style="list-style-type: none"> <li>• instantaneous contact</li> </ul>	2
<b>number of NO contacts for auxiliary contacts</b>	1
<ul style="list-style-type: none"> <li>• attachable</li> </ul>	0
<ul style="list-style-type: none"> <li>• instantaneous contact</li> </ul>	1
<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> </ul>	6 A
<ul style="list-style-type: none"> <li>• at 400 V</li> </ul>	3 A
<b>operational current of auxiliary contacts at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> </ul>	6 A
<ul style="list-style-type: none"> <li>• at 60 V</li> </ul>	2 A
<ul style="list-style-type: none"> <li>• at 110 V</li> </ul>	1 A
<ul style="list-style-type: none"> <li>• at 125 V</li> </ul>	0.9 A
<ul style="list-style-type: none"> <li>• at 220 V</li> </ul>	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> </ul>	gG: 50 A (690 V, 50 kA)
<ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	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 standard mounting rail according to DIN EN 50022
<b>height</b>	135 mm
<b>width</b>	45 mm
<b>depth</b>	155 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
<b>type of connectable conductor cross-sections</b>	
• for main contacts	
— solid	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
— stranded	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
— solid or stranded	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
— finely stranded with core end processing	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>
• at AWG cables for main contacts	2x (16 ... 12), 2x (14 ... 8)
<b>type of connectable conductor cross-sections</b>	
• for auxiliary contacts	
— 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	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
• at AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14), 2x 12
<b>type of minimum connectable cross-section for main contacts at AC-6b</b>	
• at 40 °C	1x 6 mm <sup>2</sup>
• at 60 °C	1x 10 mm <sup>2</sup> , 2x 6 mm <sup>2</sup>
AWG number as coded connectable conductor cross section for main contacts	16 ... 8

#### Safety related data

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

#### Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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Declaration of Conformity	Test Certificates	Marine / Shipping	other
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[Miscellaneous](#)

[Type Test  
Certificates/Test  
Report](#)



[Confirmation](#)

[Confirmation](#)



#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2625-1AP05>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2625-1AP05>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2625-1AP05>

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

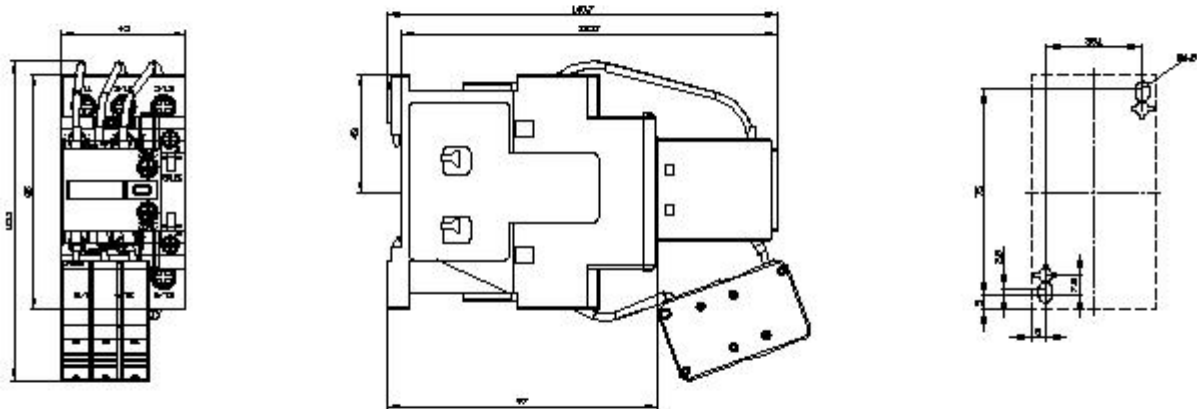
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2625-1AP05&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2625-1AP05&lang=en)

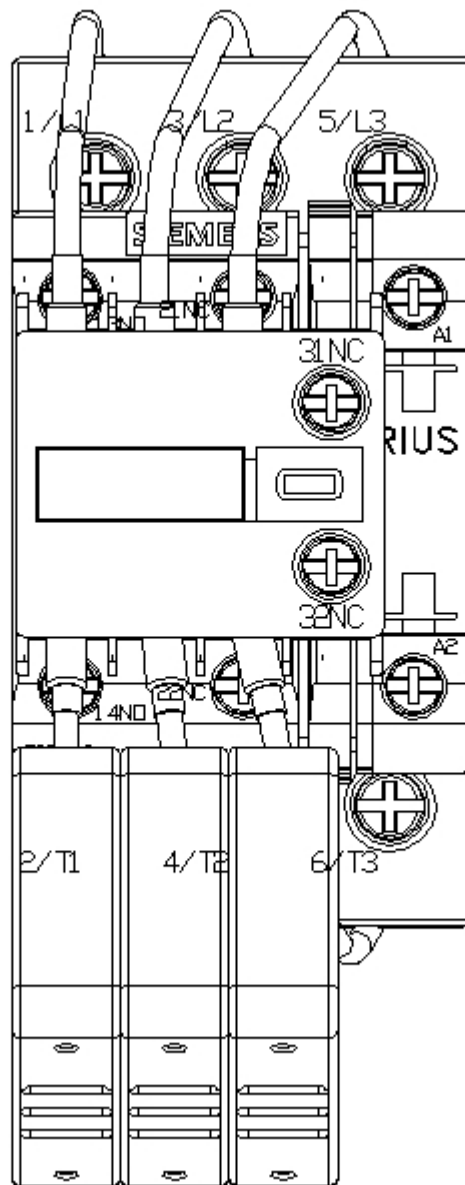
**Characteristic: Tripping characteristics,  $I^2t$ , Let-through current**

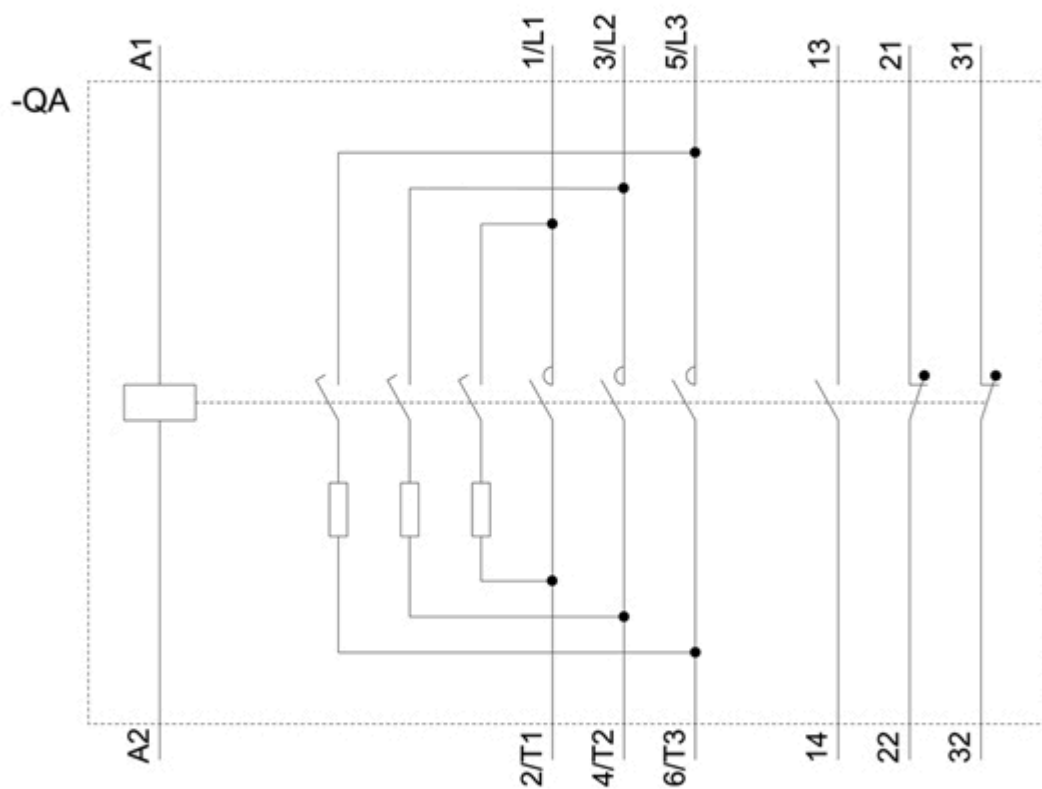
<https://support.industry.siemens.com/cs/ww/en/ps/3RT2625-1AP05/char>

**Further characteristics (e.g. electrical endurance, switching frequency)**

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2625-1AP05&objecttype=14&gridview=view1>







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