

Capacitor contactor, AC-6b 20 kVAr, / 400 V 1 NO + 2 NC, 50-60 Hz  
AC 21-28 V DC 3-pole, Size S0 screw terminal



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
• at DC	10g / 5 ms, 7,5g / 10 ms

<b>Shock resistance with sine pulse</b>	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
• at DC	15g / 5 ms, 10g / 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 DIN EN 81346-2</b>	Q

#### Ambient conditions

<b>Installation altitude at height above sea level</b>	
• maximum	2 000 m
<b>Ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C

#### Main circuit

<b>Number of NO contacts for main contacts</b>	3
<b>Number of NC contacts for main contacts</b>	0
<b>Operating current</b>	
• at AC-6b at 690 V at ambient temperature 60 °C rated value	29 A
<b>Operational reactive power at AC-6b</b>	
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value	4 ... 11.5 kvar
• at 400 V at 50/60 Hz at ambient temperature 60 °C rated value	7 ... 20 kvar
• at 500 V at 50/60 Hz at ambient temperature 60 °C rated value	8 ... 25 kvar
• at 690 V at 50/60 Hz at ambient temperature 60 °C rated value	11 ... 34 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	100 1/h
• at 500 V maximum	100 1/h
• at 600 V maximum	100 1/h
• at 690 V maximum	100 1/h

#### Control circuit/ Control

<b>Type of voltage</b>	AC/DC
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Type of voltage of the control supply voltage	AC/DC
Control supply voltage at AC	
• at 50 Hz rated value	21 ... 28 V
• at 60 Hz rated value	21 ... 28 V
Control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
Control supply voltage	
• at DC rated value	21 ... 28 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
Apparent pick-up power of magnet coil at AC	6.7 V·A
Inductive power factor with closing power of the coil	0.98
Apparent holding power of magnet coil at AC	2 V·A
Inductive power factor with the holding power of the coil	0.86
Closing power of magnet coil at DC	5.9 W
Holding power of magnet coil at DC	1.4 W
Closing delay	
• at AC	60 ... 80 ms
• at DC	60 ... 80 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
• at DC at 24 V maximum permissible	16 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
<b>Operating 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

#### UL/CSA ratings

<b>Contact rating of auxiliary contacts according to UL</b>	A600 / Q600
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#### Short-circuit protection

<b>Design of the fuse link</b>	
• for short-circuit protection of the main circuit — with type of coordination 1 required	gG: 63 A (690 V, 50 kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)

#### Installation/ mounting/ dimensions

<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>Mounting type</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>	165 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 current circuit	screw-type terminals
<b>Type of connectable conductor cross-sections</b>	
• for main contacts — solid	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)
— stranded	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)
— single or multi-stranded	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)
— finely stranded with core end processing	2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²
• at AWG conductors for main contacts	2x (16 ... 12), 2x (14 ... 8)

<b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— single or multi-stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• at AWG conductors for auxiliary contacts</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 ... 1,5 mm <sup>2</sup> ), 2x (0,75 ... 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 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-section for main contacts at AC-6b</b> <ul style="list-style-type: none"> <li>• at 40 °C</li> <li>• at 60 °C</li> </ul>	1x 10 mm <sup>2</sup> 2x 10 mm <sup>2</sup>
AWG number as coded connectable conductor cross section for main contacts	16 ... 8



#### Safety related data

<b>Product function</b> <ul style="list-style-type: none"> <li>• Mirror contact acc. to IEC 60947-4-1</li> <li>• positively driven operation acc. to IEC 60947-5-1</li> </ul>	No No
<b>Protection against electrical shock</b>	finger-safe

#### Certificates/ approvals

General Product Approval			EMC	Declaration of Conformity	
					
CCC	CSA	UL		RCM	EG-Konf.

Declaration of Conformity	Test Certificates	Marine / Shipping	other
<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>		<a href="#">Confirmation</a>
			
			VDE

#### 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=3RT2626-1NB35>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2626-1NB35>

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

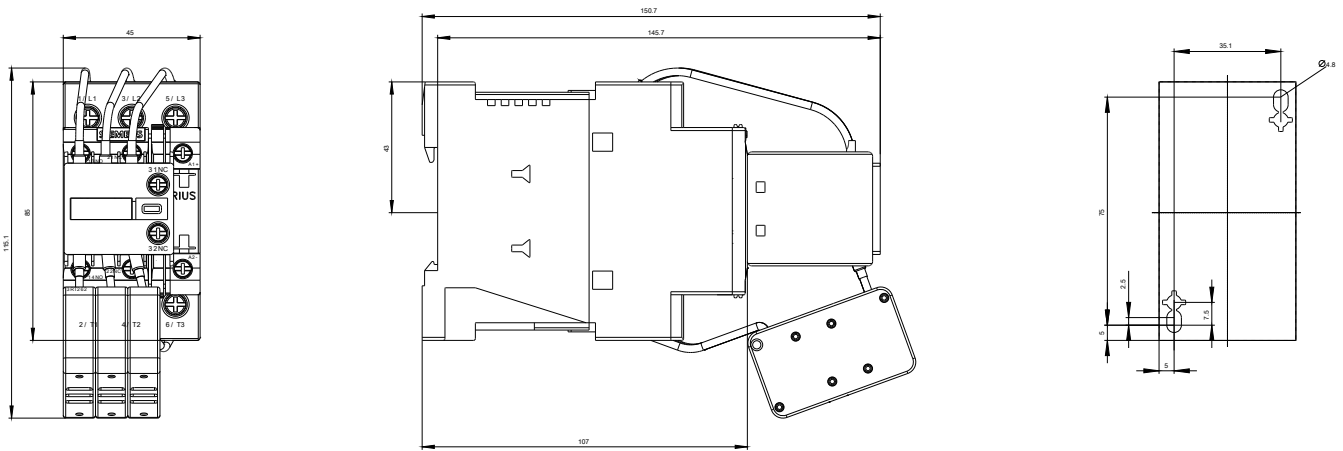
<https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1NB35>

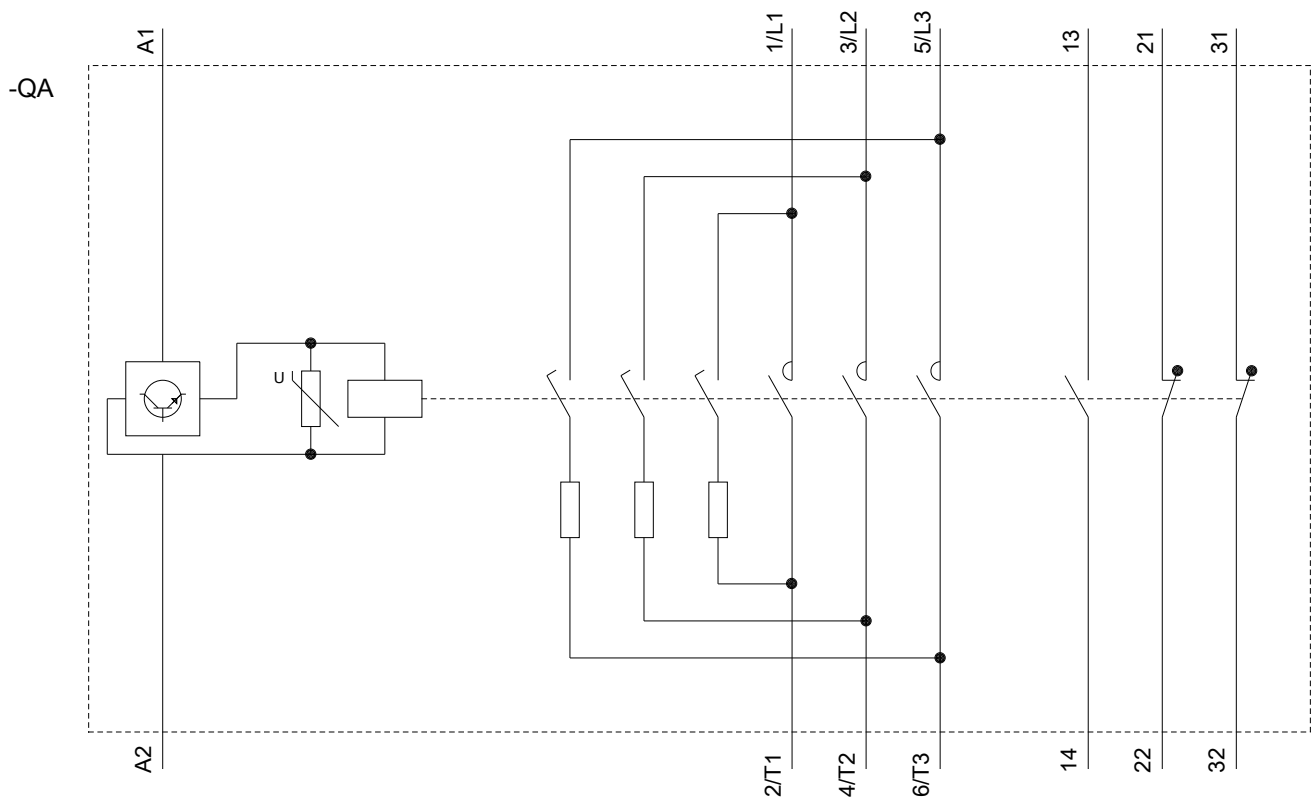
##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2626-1NB35&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2626-1NB35&lang=en)

Characteristic: Tripping characteristics,  $I^2t$ , Let-through current  
<https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1NB35/char>

Further characteristics (e.g. electrical endurance, switching frequency)  
<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2626-1NB35&objecttype=14&gridview=view1>





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