



capacitor contactor, AC-6b 20 kVA<sub>r</sub>, / 400 V, 3-pole, 110 V DC, 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	1.6 W
• without load current share typical	5.9 W
type of calculation of power loss current-dependent	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 DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15 g / 5 ms, 10 g / 10 ms
mechanical service life (operating cycles)	
• of the contactor with added auxiliary switch block typical	3 000 000
electrical endurance (operating cycles)	200 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (day/month/year)	05/01/2014
Net Weight	0.72 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>Main circuit</b>	
number of poles for main current circuit	3
number of NO contacts for main contacts	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	29 A
<b>operating reactive power at AC-6b</b>	
<ul style="list-style-type: none"> <li>● at 230 V at 50/60 Hz at ambient temperature 60 °C rated value</li> <li>● at 400 V at 50/60 Hz at ambient temperature 60 °C rated value</li> <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>	4 ... 11.5 kvar 7 ... 20 kvar 8 ... 25 kvar 11 ... 34 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>	100 1/h 100 1/h 100 1/h 100 1/h 100 1/h 100 1/h 100 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 rated value</b>	110 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>	0.8 1.1
<b>closing power of magnet coil at DC</b>	5.9 W
<b>holding power of magnet coil at DC</b>	5.9 W
<b>closing delay</b>	
<ul style="list-style-type: none"> <li>● at DC</li> </ul>	50 ... 170 ms
<b>opening delay</b>	
<ul style="list-style-type: none"> <li>● at DC</li> </ul>	15 ... 18 ms
<b>arcing time</b>	10 ms
<b>control version of the switch operating mechanism</b>	Standard A1 - A2
<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>	1
<ul style="list-style-type: none"> <li>● attachable</li> <li>● instantaneous contact</li> </ul>	0 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> <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>UL File Number (CCN)</b>	E31519 (NLDX, NLDX7)

Short-circuit protection	
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>	
<ul style="list-style-type: none"> <li>for short-circuit protection of the main circuit with type of coordination 1 required</li> </ul>	gG: 63 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 (690 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>fastening method</b>	screw and snap-on mounting onto 35 mm DIN 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>	
<ul style="list-style-type: none"> <li>with side-by-side mounting at the side</li> </ul>	10 mm
<ul style="list-style-type: none"> <li>for grounded parts at the side</li> </ul>	10 mm
Connections/ Terminals	
<b>type of electrical connection</b>	
<ul style="list-style-type: none"> <li>for main current circuit</li> </ul>	screw-type terminals
<ul style="list-style-type: none"> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul style="list-style-type: none"> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
<ul style="list-style-type: none"> <li>of magnet coil</li> </ul>	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
<ul style="list-style-type: none"> <li>solid</li> </ul>	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>stranded</li> </ul>	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>solid or stranded</li> </ul>	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup>
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	
<ul style="list-style-type: none"> <li>— solid</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>
<ul style="list-style-type: none"> <li>— solid or stranded</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>
<ul style="list-style-type: none"> <li>— finely stranded with core end processing</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 ... 16), 2x (18 ... 14), 2x 12
<b>type of minimum connectable cross-sections for main contacts at AC-6b</b>	
<ul style="list-style-type: none"> <li>at 40 °C</li> </ul>	1x 10 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>at 60 °C</li> </ul>	2x 10 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section for main contacts</b>	16 ... 8
Safety related data	
<b>product function</b>	
<ul style="list-style-type: none"> <li>mirror contact according to IEC 60947-4-1</li> </ul>	No
<ul style="list-style-type: none"> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
Electrical Safety	
<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	
Environmental Product Declaration	
<ul style="list-style-type: none"> <li>global warming potential [CO2 eq] / during manufacturing</li> </ul>	2.47 kg
<ul style="list-style-type: none"> <li>global warming potential [CO2 eq] / during operation</li> </ul>	104 kg
<ul style="list-style-type: none"> <li>global warming potential [CO2 eq] / after end of life</li> </ul>	-0.226 kg
<ul style="list-style-type: none"> <li>global warming potential [CO2 eq] / total</li> </ul>	106 kg
<b>Environment</b>	<b>General Product Approval</b>

[Environmental Conformations](#)



General Product Approval	EMV	Test Certificates	Maritime application
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[Type Test Certificates/Test Report](#)



other	Dangerous goods
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[Confirmation](#)



[Miscellaneous](#)

[Transport Information](#)

### Further information

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information for data generation and storage**

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

**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=3RT2626-1BF45>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1BF45>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2626-1BF45&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2626-1BF45&lang=en)

**Cax online generator**

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2626-1BF45>

**Characteristic curves**

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

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