## **SIEMENS**

Data sheet 3RT2626-1AC25



capacitor contactor, AC-6b 20 kVAr, / 400 V, 3-pole, 24 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 2 NC, screw terminal, size: S0

product brand name	SIRIUS
product designation	capacitor contactors
product type designation	3RT26
General technical data	
size of contactor	S0
product extension auxiliary switch	No
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	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
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 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 (Date)	05/01/2014
Ambient conditions	
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 %
Main circuit	
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	29 A
operating reactive power at AC-6b	
$\bullet$ at 230 V at 50/60 Hz at ambient temperature 60 $^{\circ}\text{C}$ rated value	4 11.5 kvar
<ul> <li>at 400 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul>	7 20 kvar

at 500 V at 50/60 Hz at ambient temperature 60 °C rated  Value	8 25 kvar
value  ● at 690 V at 50/60 Hz at ambient temperature 60 °C rated	11 34 kvar
value	11 34 KVdI
no-load switching frequency	
• at AC	500 1/h
operating frequency at AC-6b	
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	
type of voltage	AC
type of voltage type of voltage of the control supply voltage	AC
control supply voltage at AC	AC
at 50 Hz rated value	24 V
at 60 Hz rated value      at 60 Hz rated value	24 V
control supply voltage frequency	217
1 rated value	50 Hz
operating range factor control supply voltage rated value of	00 112
magnet coil at AC	
● at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	77 VA
inductive power factor with closing power of the coil	0.82
apparent holding power of magnet coil at AC	9.8 VA
inductive power factor with the holding power of the coil	0.25
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
residual current of the electronics for control with signal	
<0>	
at AC at 230 V maximum permissible	7 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
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 230 V	6 A
• at 400 V	3 A
• at 690 V	1 A
operational current of auxiliary contacts at DC-13	
• 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
contact reliability of auxiliary contacts	0.0000001
UL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
-	gG: 63 A (690 V, 50 kA)
<ul> <li>for short-circuit protection of the main circuit with type of</li> </ul>	4G. 65 A (690 V, 50 KA)

coordination 1 required • for short-circuit protection of the auxiliary switch required qG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and mounting position backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 height 135 mm width 45 mm depth 155 mm required spacing • with side-by-side mounting at the side 10 mm • for grounded parts at the side 10 mm type of electrical connection • 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 (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) stranded 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) solid or stranded · finely stranded with core end processing 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm² 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm² - solid or stranded - 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 type of minimum connectable cross-sections for main contacts at AC-6b 1x 10 mm<sup>2</sup> at 40 °C • at 60 °C 2x 10 mm<sup>2</sup> AWG number as coded connectable conductor cross section for 16 ... 8 main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 No • positively driven operation according to IEC 60947-5-1 No protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals **EMC** 

**General Product Approval** 







Confirmation







**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







other **Dangerous Good** 



## Further information

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

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

## Information on the packaging

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

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=3RT2626-1AC25

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2626-1AC25

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1AC25

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

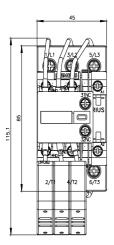
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2626-1AC25&lang=en

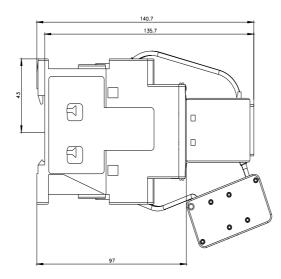
Characteristic: Tripping characteristics, I2t, Let-through current

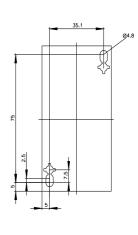
https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1AC25/char

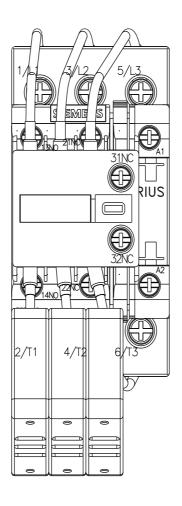
Further characteristics (e.g. electrical endurance, switching frequency)

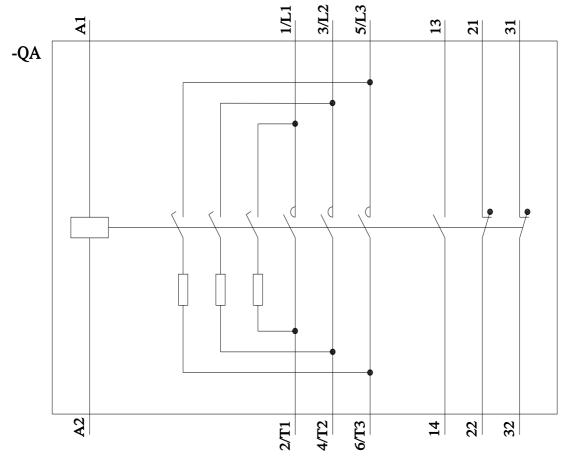
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2626-1AC25&objecttype=14&gridview=view1











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