SIEMENS

Data sheet 3RT2637-1NP35



capacitor contactor, AC-6b 75 kVAr, / 400 V, 3-pole, 175-280 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 2 NC, screw terminal, size: S2 $\,$

product brand name	SIRIUS
product designation	capacitor contactors
product type designation	3RT26
General technical data	31(120
size of contactor	S2
product extension auxiliary switch	Yes
insulation voltage	165
of main circuit with degree of pollution 3 rated value	690 V
of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	030 V
of main circuit rated value	6 kV
	6 kV
of auxiliary circuit rated value	
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	6.8g / 5 ms, 4g / 10 ms
• at DC	6,8g / 5 ms, 4g / 10 ms
shock resistance with sine pulse	
• at AC	10.6g / 5 ms, 6.2g / 10 ms
mechanical service life (operating cycles)	
 of the contactor with added auxiliary switch block typical 	3 000 000
electrical endurance (operating cycles)	150 000
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	108 A
operating reactive power at AC-6b	
\bullet at 230 V at 50/60 Hz at ambient temperature 60 $^{\circ}\text{C}$ rated value	14 43 kvar

• at 400 V at 50/60 Hz at ambient temperature 60 °C rated	25 75 kvar
value ● at 500 V at 50/60 Hz at ambient temperature 60 °C rated	31 94 kvar
value	31 54 kVdi
• at 690 V at 50/60 Hz at ambient temperature 60 °C rated	43 129 kvar
value	
no-load switching frequency • at AC	500 1/h
• at DC	500 1/h
operating frequency at AC-6b	300 1/11
• at 230 V maximum	100 1/h
• at 240 V maximum	100 1/h
• at 400 V maximum	80 1/h
• at 480 V maximum	50 1/h
• at 500 V maximum	45 1/h
• at 600 V maximum	32 1/h
at 690 V maximum Control circuit/ Control	25 1/h
	AO/DO
type of voltage	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	475 000 \
at 50 Hz rated value	175 280 V
at 60 Hz rated value	175 280 V
control supply voltage frequency	
• 1 rated value	50 Hz
2 rated value	60 Hz
control supply voltage at DC	
rated value	175 280 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
inrush current peak	25 A
duration of inrush current peak	10 µs
locked-rotor current mean value	0.58 A
locked-rotor current peak	1.5 A
duration of locked-rotor current	230 ms
holding current mean value	10 mA
apparent pick-up power of magnet coil at AC	110 VA
inductive power factor with closing power of the coil	0.95
apparent holding power of magnet coil at AC	2.5 VA
inductive power factor with the holding power of the coil	0.95
closing power of magnet coil at DC	70 W
holding power of magnet coil at DC	1.5 W
closing delay	
• at AC	30 110 ms
• at DC	30 110 ms
opening delay	
• at AC	30 55 ms
• at DC	30 55 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
attachable	1
instantaneous contact	2
number of NO contacts for auxiliary contacts	0
attachable	1
- attachasic	

instantaneous contact	0
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	0 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	
for short-circuit protection of the main circuit with type of coordination 1 required	gG: 200 A (690 V, 50 kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
	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	114 mm
width	65 mm
depth	130 mm
required spacing	
with side-by-side mounting at the side	10 mm
for grounded parts at the side	10 mm
Connections/ Terminals	
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	out on type terminate
• solid	2x (1 16 mm²)
• stranded	2x (10 35 mm²), 1x (10 50 mm²)
solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
	2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
finely stranded with core end processing type of connectable conductor error positions	28 (1 25 11111), 18 (1 55 11111)
type of connectable conductor cross-sections	
for auxiliary contacts	2v /0 F 1 F mm²) 2v /0 7F 2 F mm²) 2v 4 mm²
— 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 type of minimum connectable cross-sections for main	2x (20 16), 2x (18 14), 2x 12
contacts at AC-6b	
• at 40 °C	1x 50 mm²
• at 60 °C	2x 35 mm²
AWG number as coded connectable conductor cross section for main contacts	18 0
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	
Certificates/ approvals General Product Approval	





Confirmation





EMC Declaration of Conformity **Test Certificates**

Marine / Shipping







Type Test Certificates/Test Report





other **Dangerous Good**

Confirmation **Transport Information**

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=3RT2637-1NP35

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2637-1NP35

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2637-1NP3

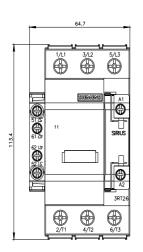
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

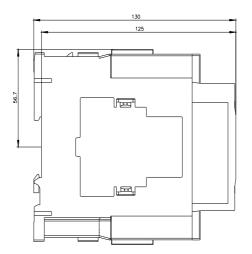
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2637-1NP35&lang=en

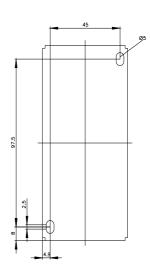
Characteristic: Tripping characteristics, I2t, Let-through current

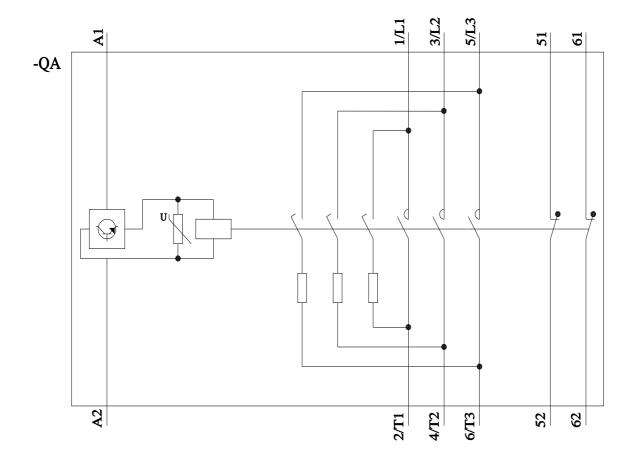
https://support.industry.siemens.com/cs/ww/en/ps/3RT20

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2637-1NP35&objecttype=14&gridview=view1









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