SIEMENS

Data sheet 3RT2636-1AL23



capacitor contactor, AC-6b 50 kVAr, / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2 $\,$

product brand name	SIRIUS	
product designation	capacitor contactors	
product type designation	3RT26	
General technical data		
size of contactor	S2	
product extension auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state per pole 	4 W	
 without load current share typical 	6.5 W	
type of calculation of power loss depending on pole	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 AC	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)	200 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	05/01/2014	
Weight	1.057 kg	
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 %	
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
global warming potential [CO2 eq] total	106 kg	
global warming potential [CO2 eq] during manufacturing	2.47 kg	
global warming potential [CO2 eq] during operation	104 kg	

Inumber of NO Contacts for main current circuit Inumber of NO Contacts for main contacts Inumber of NO Contacts for nain contacts Inumber of NO Contacts for auxiliary contacts Inumber of NO Contacts for auxiliary contacts Inumber of NO Contacts for auxiliary contacts at AC-12 maximum operational current of auxiliary contacts Inumber of NO Contacts for auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at A	global warming potential [CO2 eq] after end of life	-0.226 kg
number of Poles for main current circuit 3		-0.220 ng
number of NC contacts for main contacts 0		3
number of NC contacts for main contacts 00 "C rated value" 00 "C rated value" 01 "C rated value" 02 "C rated value" 03 "C rated value" 04 "C rated value" 05 "C rated value" 06 "C rated value" 06 "C rated value" 07 "C rated value" 08 "C rated value" 09 "C rated	·	
Operating reactive power at AC-6b		
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magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil closing delay • at AC opening delay • at AC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts • attachable • instantaneous contact number of NO contacts for auxiliary contacts • attachable • instantaneous contact • attachable • instantaneous contact 1 operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 • at 230 V 6 A		JU 11Z
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inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil closing delay at AC opening delay at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the holding power of the coil observed at AC inductive power factor with the coil observed at AC inductive power factor with the coil observed	• at 60 Hz	0.85 1.1
apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil closing delay	apparent pick-up power of magnet coil at AC	210 VA
inductive power factor with the holding power of the coil closing delay • at AC 10 80 ms opening delay • at AC 10 18 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 • attachable • instantaneous contact 1 number of NO contacts for auxiliary contacts • attachable • attachable • instantaneous contact 1 operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 • at 230 V 6 A	inductive power factor with closing power of the coil	0.69
closing delay	apparent holding power of magnet coil at AC	17.2 VA
at AC opening delay at AC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact 1 operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 att 230 V 6 A	inductive power factor with the holding power of the coil	0.36
opening delay	closing delay	
arcing time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact oeattachable instantaneous contact 1 operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 attachable operational current of auxiliary contacts at AC-15 attachable operational current of auxiliary contacts at AC-15	• at AC	10 80 ms
arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts • attachable • instantaneous contact 1 number of NO contacts for auxiliary contacts • attachable • instantaneous contact 1 operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 • at 230 V 6 A	opening delay	
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Auxiliary circuit number of NC contacts for auxiliary contacts attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 at 230 V 6 A	arcing time	10 20 ms
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operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15 • at 230 V 6 A	• attachable	
operational current of auxiliary contacts at AC-15 • at 230 V 6 A		1
• at 230 V 6 A		10 A
	operational current of auxiliary contacts at AC-15	
• at 400 V	• at 230 V	6 A
	• at 400 V	3 A
• at 690 V 0 A	● at 690 V	0 A
operational current of auxiliary contacts at DC-13	operational current of auxiliary contacts at DC-13	
• at 24 V 6 A	• 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
JL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q600
hort-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit with type of coordination 1 required 	gG: 160 A (690 V, 50 kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
nstallation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward an 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
onnections/ 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	
• 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)
 finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 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
— 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	2x (20 16), 2x (18 14), 2x 12
type of minimum connectable cross-sections for main contacts at AC-6b	
• at 40 °C	1x 35 mm²
• at 60 °C	1x 50 mm²
AWG number as coded connectable conductor cross section for main contacts	18 0
afety related data	
product function	
 mirror contact according to IEC 60947-4-1 	No
 positively driven operation according to IEC 60947-5-1 	No
Electrical Safety	
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
pprovals Certificates	
General Product Approval	







Type Test Certificates/Test Report





Confirmation

Dangerous goods

Environment

Transport Information



Environmental Confirmations

Further information

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=3RT2636-1AL23

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2636-1AL23

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2636-1AL23

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

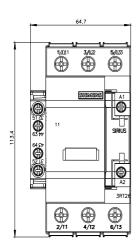
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2636-1AL23&lang=en

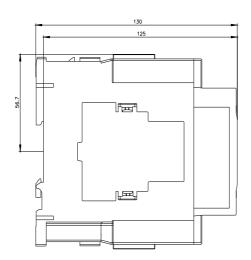
Characteristic: Tripping characteristics, I2t, Let-through current

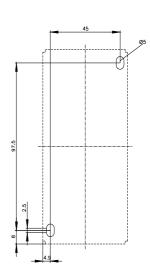
https://support.industry.siemens.com/cs/ww/en/ps/3RT2636-1AL23/char

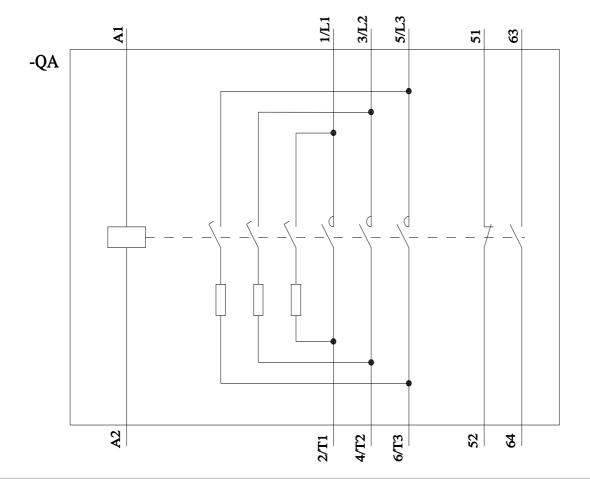
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2636-1AL23&objecttype=14&gridview=view1









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