SIEMENS

Data sheet

3RT2626-1NP35



capacitor contactor, AC-6b 20 kVAr, / 400 V, 3-pole, 200-280 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 2 NC, screw terminal, size: S0

product brand name SIRUS product designation capacitor contactors product type designation 38126 Contract tochical data		
product type designation 3RT26 General technical data	product brand name	SIRIUS
General technical data 50 size of contactor 50 product extension auxiliary switch No Insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 8,3g / 5 ms, 5,3g / 10 ms • at AC 10g / 5 ms, 7,5g / 10 ms • at AC 13,5g / 5 ms, 8,3g / 10 ms • at AC 13,5g / 5 ms, 8,3g / 10 ms • at AC 13,5g / 5 ms, 10g / 10 ms • at AC 13,5g / 5 ms, 10g / 10 ms • of the contactor with added auxiliary switch block typical 3 000 000 • lectrical endurance (operating cycles) 200 000 reference code according to IEC 81346-2 Q Ambient conditions	product designation	capacitor contactors
size of contactor S0 product extension auxiliary switch No insulation voltage of and incruct with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • of main circuit with degree of pollution 3 rated value 6 kV • of main circuit with degree of pollution 3 rated value 6 kV • of auxiliary circuit rated value 6 kV • of main circuit with degree of pollution 3 rated value 6 kV maximum permissible voltage for protective separaton between 600 V coll and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 8,3g / 5 ms, 5,3g / 10 ms • at AC 13,5g / 5 ms, 8,3g / 10 ms • at AC 13,5g / 5 ms, 8,3g / 10 ms • at DC 10g / 5 ms, 10g / 10 ms mechanical service life (operating cycles) 200 000 • of the contactor with added auxilary switch block typical 3 000 000 electrical endurance (operating cycles) 200 000 referen	product type designation	3RT26
product extension auxiliary switch No Insulation voltage 690 V of main circuit with degree of pollution 3 rated value 690 V of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 64V of main circuit rated value 6 kV of auxiliary circuit with degree of pollution 3 rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 800 V shock resistance at rectangular impulse 6 kV e at AC 8.3g / 5 ms, 5.3g / 10 ms e at AC 13.5g / 5 ms, 7.5g / 10 ms shock resistance with sine pulse 13.5g / 5 ms, 10g / 10 ms e at AC 13.5g / 5 ms, 10g / 10 ms e at AC 13.5g / 5 ms, 10g / 10 ms e at AC 13.5g / 5 ms, 10g / 10 ms e at AC 13.000 000 electrical endurance (operating cycles) 200 000 reference code according to EC 81346-2 Q Substance Prohibitance (Date) 05/01/2014 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m	General technical data	
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shock resistance with sine pulse 13,5g / 5 ms, 8,3g / 10 ms • at AC 13,5g / 5 ms, 8,3g / 10 ms • at DC 15g / 5 ms, 10g / 10 ms mechanical service life (operating cycles) 3 000 000 • 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 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0	• at AC	8,3g / 5 ms, 5,3g / 10 ms
• at AC13,5g / 5 ms, 8,3g / 10 ms• at DC15g / 5 ms, 10g / 10 msmechanical service life (operating cycles)3 000 000• of the contactor with added auxiliary switch block typical3 000 000electrical endurance (operating cycles)200 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2014Ambient conditions2 000 mambient temperature2 000 m• during operation-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %Main circuit3number of poles for main current circuit3number of NO contacts for main contacts3number of NC contacts for main contacts0	• at DC	10g / 5 ms, 7,5g / 10 ms
• at DC 15g / 5 ms, 10g / 10 ms mechanical service life (operating cycles) 3 000 000 • 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 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 0	shock resistance with sine pulse	
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Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • 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 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0	reference code according to IEC 81346-2	Q
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• during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0	ambient temperature	
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relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 % number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0	during storage	-55 +80 °C
maximum Main circuit Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0	relative humidity minimum	10 %
number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0		95 %
number of NO contacts for main contacts 3 number of NC contacts for main contacts 0	Main circuit	
number of NC contacts for main contacts 0	number of poles for main current circuit	3
	number of NO contacts for main contacts	3
anarational surrant at AC 6b at 600 V at ambient temperature 20 A	number of NC contacts for main contacts	0
60 °C rated value	operational current at AC-6b at 690 V at ambient temperature 60 °C rated value	29 A
operating reactive power at AC-6b	operating reactive power at AC-6b	
at 230 V at 50/60 Hz at ambient temperature 60 °C rated 4 11.5 kvar	• at 230 V at 50/60 Hz at ambient temperature 60 °C rated	4 11.5 kvar

value	
 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
no-load switching frequency	
• at AC	500 1/h
• at DC	500 1/h
	500 1/11
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/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	200 280 V
at 60 Hz rated value	200 280 V
control supply voltage frequency	
• 1 rated value	50 Hz
2 rated value	60 Hz
control supply voltage at DC	
rated value	200 280 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
inrush current peak	25 A
duration of inrush current peak	30 ha
locked-rotor current mean value	0.1 A
locked-rotor current peak	0.13 A
duration of locked-rotor current	180 ms
holding current mean value	17 mA
apparent pick-up power of magnet coil at AC	14.7 VA
inductive power factor with closing power of the coil	0.98
apparent holding power of magnet coil at AC	4.3 VA
inductive power factor with the holding power of the coil	0.56
closing power of magnet coil at DC	14.3 W
holding power of magnet coil at DC	1.9 W
closing delay	
• at AC	50 80 ms
• at DC	50 80 ms
opening delay	
• at AC	30 50 ms
• at DC	30 50 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 attachable 	1
	0
instantaneous contact	1 10 A
operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at AC-15	
• at 230 V	6 A
• at 200 V	3 A
• at 690 V	1A
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: 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	
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	135 mm
width	45 mm
depth	165 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 type of connectable conductor cross costions for main contacts	Screw-type terminals
type of connectable conductor cross-sections for main contacts • solid	$2y(1 - 2.5 \text{ mm}^2) 2y(2.5 - 10 \text{ mm}^2)$
solu stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²)
solid or stranded	2x (1 2.5 mm ²), 2x (2.5 10 mm ²)
 finely stranded with core end processing 	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²
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 mm ²), 2x (0.75 2.5 mm ²), 2x 4 mm ²
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
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 10 mm ²
● at 60 °C	2x 10 mm ²
AWG number as coded connectable conductor cross section for main contacts	16 8
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	No
 positively driven operation according to IEC 60947-5-1 	No

touch protection on the front according to IEC 60529			finger-safe, for vertical contact from the front				
Certificates/ approvals							
General Product Approv	/al				EMC		
		<u>Confirmation</u>		EHC	RCM		
Declaration of Conformi	ity	Test Certificates	s Marine / Shipping				
CE EG-Konf.	UK CA	<u>Type Test Certi</u> ates/Test Repo	fic- pt BUREAU VERITAS	Lloyds Register Lrs	RINA		
other		Dangerous Goo	d				
Confirmation		Transport Informa	ation				
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=3RT2626-1NP35

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2626-1NP35

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1NP35

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

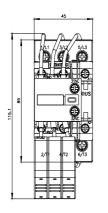
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2626-1NP35&lang=en

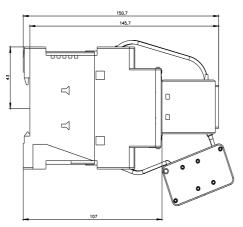
Characteristic: Tripping characteristics, I²t, Let-through current

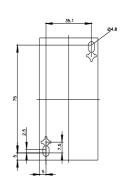
https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1NP35/cha

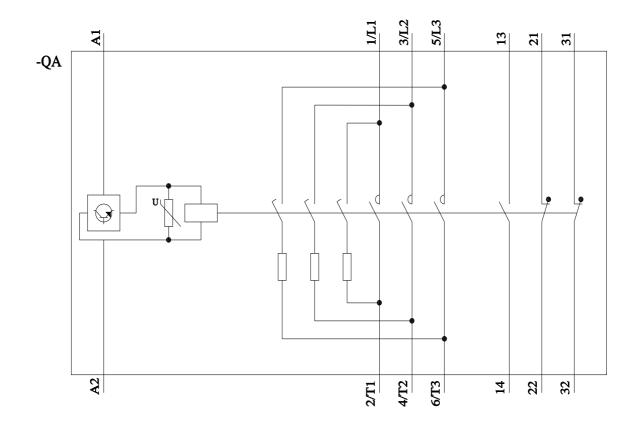
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2626-1NP35&objecttype=14&gridview=view1









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