



capacitor contactor, AC-6b 33 kVAr, / 400 V, 3-pole, 200-280 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 2 NC, screw terminal

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	
• 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 safe isolation 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
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
• at DC	15g / 5 ms, 10g / 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	47.6 A
operating reactive power at AC-6b	

• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value • at 400 V at 50/60 Hz at ambient temperature 60 °C rated value • at 500 V at 50/60 Hz at ambient temperature 60 °C rated value • at 690 V at 50/60 Hz at ambient temperature 60 °C rated value	6 ... 19 kvar 11 ... 33 kvar 14 ... 41 kvar 19 ... 57 kvar
no-load switching frequency • at AC • at DC	500 1/h 500 1/h
operating frequency at AC-6b • at 230 V maximum • at 240 V maximum • at 400 V maximum • at 480 V maximum • at 500 V maximum • at 600 V maximum • at 690 V maximum	100 1/h 100 1/h 100 1/h 70 1/h 65 1/h 45 1/h 36 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 • at 60 Hz rated value	200 ... 280 V 200 ... 280 V
control supply voltage frequency • 1 rated value • 2 rated value	50 Hz 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 • full-scale value	0.7 1.3
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz	0.7 ... 1.3 0.7 ... 1.3
inrush current peak	25 A
duration of inrush current peak	30 µs
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 • at DC	50 ... 80 ms 50 ... 80 ms
opening delay • at AC • at DC	30 ... 50 ms 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	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	0.00000001
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: 100 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	150 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	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
solid	1x (2.5 ... 25 mm²)
stranded	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)
solid or stranded	1x (2.5 ... 25 mm²)
finely stranded with core end processing	1x (2.5 ... 16 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)
at AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14), 2x 12
type of minimum connectable cross-section for main contacts at AC-6b	
at 40 °C	1x 16 mm²
at 60 °C	1x 25 mm²
AWG number as coded connectable conductor cross section for main contacts	10 ... 4
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	No
positively driven operation according to IEC 60947-	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

General Product Approval

EMC



[Confirmation](#)



Declaration of Conformity

Test Certificates

Marine / Shipping



[Type Test Certificates/Test Report](#)



other

Dangerous Good

[Confirmation](#)



[Transport Information](#)

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=3RT2628-1NP35>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2628-1NP35>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NP35>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2628-1NP35&lang=en

Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NP35/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2628-1NP35&objecttype=14&gridview=view1>



