



Capacitor contactor, AC-6b 100 kVAr, / 400 V 1 NO + 1 NC, 110 V AC, 50 Hz 3-pole, Size S3 screw terminal

product brand name	SIRIUS
product designation	capacitor contactors
product type designation	3RT26
General technical data	
size of contactor	S3
product extension auxiliary switch	Yes
insulation voltage	
• of main circuit with degree of pollution 3 rated value	1 000 V
• of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
• of main circuit rated value	8 kV
• of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. 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 (switching cycles)	
• of the contactor with added auxiliary switch block typical	3 000 000
electrical endurance (switching cycles)	120 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	26.06.2017
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 acc. to IEC 60068-2-30 maximum	95 %
Main circuit	
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	144 A
operating reactive power at AC-6b	
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated value	19 ... 57 kvar

• 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	33 ... 100 kvar
no-load switching frequency	
• at AC	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	150 1/h 150 1/h 80 1/h 53 1/h 53 1/h 32 1/h 30 1/h
Control circuit/ Control	
type of voltage	AC
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	110 V
control supply voltage frequency	
• 1 rated value	50 Hz
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 ... 1.1
apparent pick-up power of magnet coil at AC	296 V·A
inductive power factor with closing power of the coil	0.61
apparent holding power of magnet coil at AC	19 V·A
inductive power factor with the holding power of the coil	0.38
closing delay	
• at AC	13 ... 50 ms
opening delay	
• at AC	11 ... 20 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	1
• attachable • instantaneous contact	1 1
number of NO contacts for auxiliary contacts	1
• attachable • instantaneous contact	1 1
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 230 V • at 400 V	6 A 3 A
operational current of auxiliary contacts at DC-13	
• at 24 V • at 60 V • at 110 V • at 125 V • at 220 V	6 A 2 A 1 A 0.9 A 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	gG: 250 A (690 V, 50 kA)

Further information

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=3RT2646-1AF03>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2646-1AF03>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2646-1AF03>

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

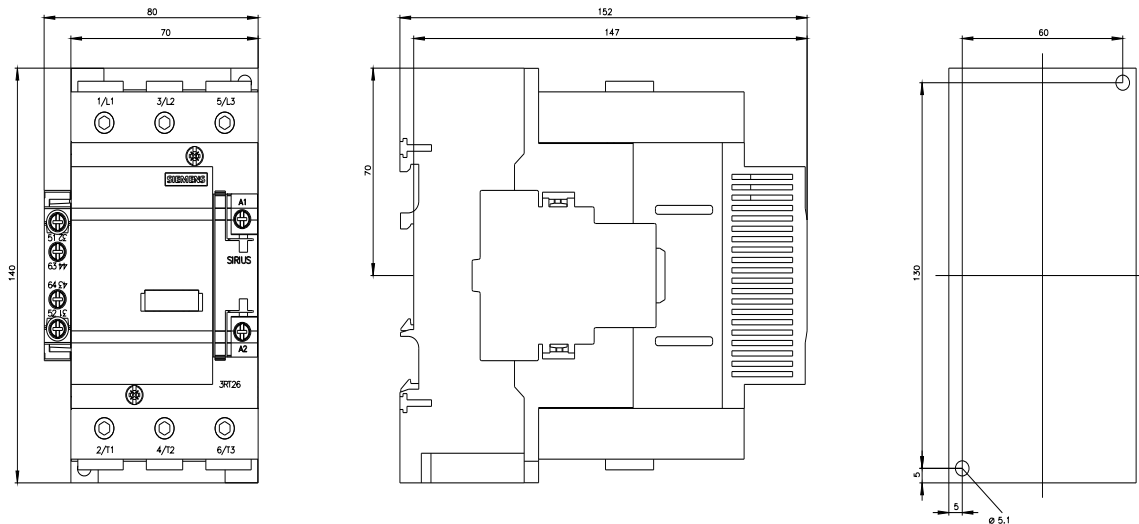
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2646-1AF03&lang=en

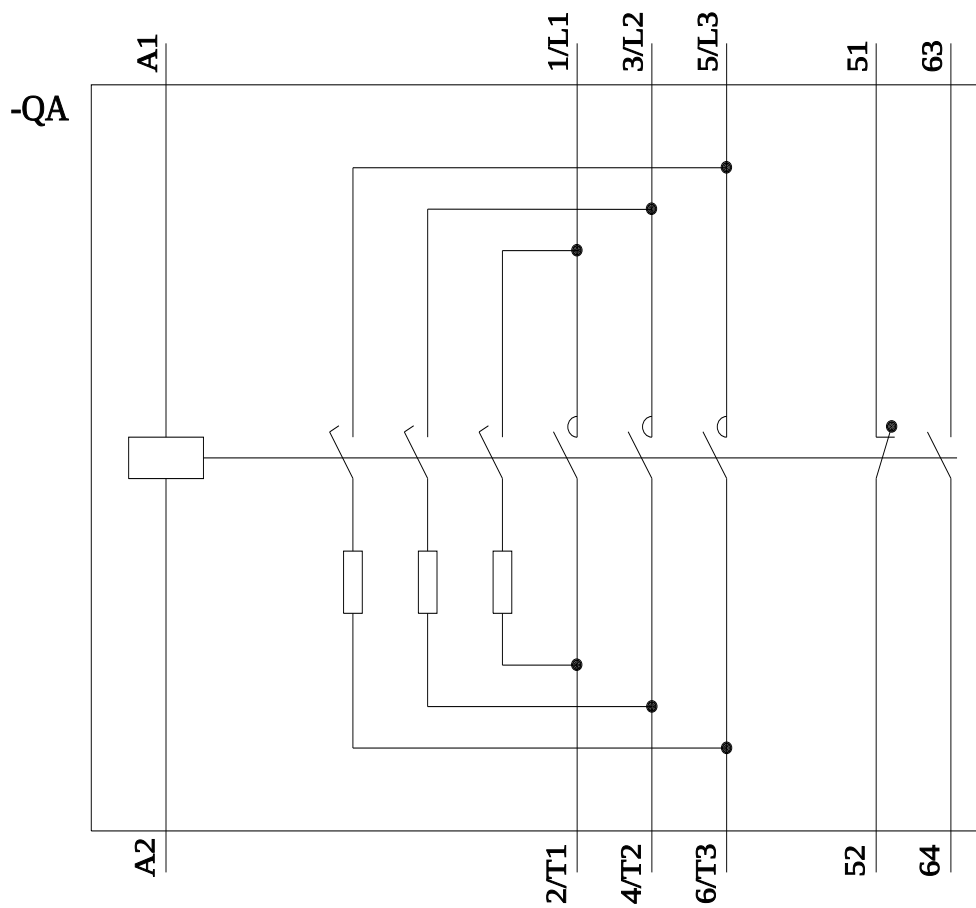
Characteristic: Tripping characteristics, I^2t , Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2646-1AF03/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2646-1AF03&objecttype=14&gridview=view1>





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