## **SIEMENS**

Data sheet 3RT2628-1NF35



capacitor contactor, AC-6b 33 kVAr, / 400 V, 3-pole, 95-130 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 2 NC, screw terminal, size: S0

product designation capacitor contactors  product type designation 3RT26  concrat tochnical data  size of contactor S0  product extension auxiliary switch No  insulation voltage  of main circuit with degree of pollution 3 rated value  of auxiliary circuit with degree of pollution 3 rated value  of auxiliary circuit with degree of pollution 3 rated value  of auxiliary circuit with degree of pollution 3 rated value  of auxiliary circuit rated value  of the contactor with auxiliary switch block typical  of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor	product brand name	SIRIUS
product type designation 3RT26  General technical data  size of contactor So product extension auxillary switch No insulation voltage of microut with degree of pollution 3 rated value of main circuit with degree of pollution 3 rated value 690 V  of main circuit rated value of main circuit rated value of main circuit rated value of auxillary since of auxillary circuit since of auxillar	•	
Size of contactor S0 product extension auxiliary switch No Insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circu		
product extension auxiliary switch insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary switch solosy 7 in solosy 9 in		
insulation voltage  of main circuit with degree of pollution 3 rated value  of auxiliary circuit with degree of pollution 3 rated value  of auxiliary circuit with degree of pollution 3 rated value  of of main circuit rated value  of main circuit rated value  of auxiliary circuit rated value  of of auxiliary circuit rated value  of of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of of auxiliary circuit with egree of pollution 3 rated value  of of auxiliary circuit with egges of pollution 3 rated value  of of auxiliary circuit with of oxiv.  of auxiliary circuit with of oxiv.  of auxiliary circuit with segre of pollution 3 rated value  of maximum  of no contacts for main current circuit  number of NO contacts for main contacts  of cortact value  operating reactive power at AC-6b at 690 V at ambient temperature  of or crated value  of maximum  of maximum  of maximum  of maximum  of maximum  of no contacts for main contacts  of cortact value  of or crated value	size of contactor	SO
of main circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     of main circuit rated value     of main circuit rated value     of main circuit rated value     of auxiliary circuit rated value     of valuxiliary circuit rated value     ola value value of the value of value	product extension auxiliary switch	No
of auxiliary circuit with degree of pollution 3 rated value     surge voltage resistance     of main circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1  shock resistance at rectangular impulse     ot AC     ot DC     ot D	insulation voltage	
surge voltage resistance  • of main circuit rated value  • of auxiliary circuit rated value  • of auxiliary circuit rated value  • of auxiliary circuit rated value  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  • at AC  • at DC  shock resistance with sine pulse  • at AC  • at DC  10g / 5 ms, 7.5g / 10 ms  shock resistance with sine pulse  • at AC  • at DC  15g / 5 ms, 8.3g / 10 ms  • at DC  mechanical service life (operating cycles)  • of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  • of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  150 00  reference code according to IEC 81348-2  Q  Substance Prohibitance (Date)  05/01/2014  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  • during storage  • during storage  • during storage  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of NO contacts for main current circuit  3  number of NO contacts for main contacts  0  operational current at AC-6b at 690 V at ambient temperature  6 °C rated value  operating reactive power at AC-6b	of main circuit with degree of pollution 3 rated value	690 V
of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  ouxiliary circuit rated value	of auxiliary circuit with degree of pollution 3 rated value	690 V
of auxiliary circuit rated value     maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1  shock resistance at rectangular impulse	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  at AC  at AC	of main circuit rated value	6 kV
coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  • at AC • at DC 10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse • at AC • at DC 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 electrical endurance (operating cycles) 150 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation • during operation • during storage relative humidity minimum 10 % relative humidity minimum 10 % relative humidity minimum 10 % maximum Main circuit number of poles for main current circuit 3 number of NC contacts for main contacts 0 operational current at AC-6b at 690 V at ambient temperature 0 °C reade value operating reactive power at AC-6b	of auxiliary circuit rated value	6 kV
at AC at DC at DC at DC at AC		400 V
at DC  shock resistance with sine pulse  at AC  at DC  to at DC  to at DC  to the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  reference code according to IEC 81346-2  Qu Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oluring operation  during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of NO contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature  of o'C read value  operating reactive power at AC-6b	shock resistance at rectangular impulse	
shock resistance with sine pulse  at AC  at DC  13,5g / 5 ms, 8,3g / 10 ms  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)  of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  150 000  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  olduring operation  olduring storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of Poles for main current circuit  number of NO contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature  60 °C rated value  operating reactive power at AC-6b	• at AC	8,3g / 5 ms, 5,3g / 10 ms
at AC at DC at DC at DC at Dg / 5 ms, 10g / 10 ms  mechanical service life (operating cycles) of the contactor with added auxiliary switch block typical electrical endurance (operating cycles) at D0 000 electrical endurance (operating cycles) at D0 000 reference code according to IEC 81346-2  Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oldring operation adding operation adding operation adding operation and of D0 operation and operati	• at DC	10g / 5 ms, 7,5g / 10 ms
● at DC  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  relative humidity minimum 10 %  relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of NO contacts 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  operating reactive power at AC-6b	shock resistance with sine pulse	
mechanical service life (operating cycles)  • of the contactor with added auxiliary switch block typical  electrical endurance (operating cycles)  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  O5/01/2014  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature  60 °C rated value  operating reactive power at AC-6b	• at AC	13,5g / 5 ms, 8,3g / 10 ms
of the contactor with added auxiliary switch block typical electrical endurance (operating cycles) reference code according to IEC 81346-2 Q Substance Prohibitance (Date) O5/01/2014  Ambient conditions installation altitude at height above sea level maximum ambient temperature     o during operation     o during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit number of poles for main current circuit number of NC contacts for main contacts operational current at AC-6b at 690 V at ambient temperature 60 °C rated value operating reactive power at AC-6b	• at DC	15g / 5 ms, 10g / 10 ms
electrical endurance (operating cycles)  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  relative humidity minimum  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operation current at AC-6b at 690 V at ambient temperature  60 °C rated value  operating reactive power at AC-6b	mechanical service life (operating cycles)	
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 95 %  maximum  Main circuit  number of poles for main current circuit 3  number of NC 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  operating reactive power at AC-6b	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	3 000 000
Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b	electrical endurance (operating cycles)	150 000
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature  60 °C rated value  operating reactive power at AC-6b	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  during operation during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b	Substance Prohibitance (Date)	05/01/2014
ambient temperature  • during operation  • during storage  -25 +60 °C  • during storage  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b	Ambient conditions	
<ul> <li>● during operation</li> <li>-25 +60 °C</li> <li>● during storage</li> <li>-55 +80 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operational current at AC-6b at 690 V at ambient temperature 60 °C rated value</li> <li>operating reactive power at AC-6b</li> </ul>	installation altitude at height above sea level maximum	2 000 m
● during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 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 operating reactive power at AC-6b	ambient temperature	
relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b	<ul> <li>during operation</li> </ul>	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b	during storage	-55 +80 °C
maximum  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  operating reactive power at AC-6b	relative humidity minimum	10 %
number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b		95 %
number of NO contacts for main contacts  number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b	Main circuit	
number of NC contacts for main contacts  operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b  47.6 A	number of poles for main current circuit	3
operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  operating reactive power at AC-6b  47.6 A	number of NO contacts for main contacts	3
60 °C rated value  operating reactive power at AC-6b	number of NC contacts for main contacts	0
		47.6 A
• at 230 V at 50/60 Hz at ambient temperature 60 °C rated 6 19 kvar	operating reactive power at AC-6b	
	• at 230 V at 50/60 Hz at ambient temperature 60 °C rated	6 19 kvar

value	
<ul> <li>at 400 V at 50/60 Hz at ambient temperature 60 °C rated</li> </ul>	11 33 kvar
value	
at 500 V at 50/60 Hz at ambient temperature 60 °C rated     value	14 41 kvar
value	40
<ul> <li>at 690 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul>	19 57 kvar
no-load switching frequency	500.4/
• at AC	500 1/h
• at DC	500 1/h
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
<ul><li>at 480 V maximum</li></ul>	70 1/h
• at 500 V maximum	65 1/h
• at 600 V maximum	45 1/h
• at 690 V maximum	36 1/h
Control circuit/ Control	
type of voltage	AC/DC
type of voltage type of voltage of the control supply voltage	
	AC/DC
control supply voltage at AC	05 400 14
at 50 Hz rated value	95 130 V
at 60 Hz rated value	95 130 V
control supply voltage frequency	
• 1 rated value	50 Hz
2 rated value	60 Hz
control supply voltage at DC	
• rated value	95 130 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	15 A
duration of inrush current peak	30 µs
locked-rotor current mean value	0.13 A
locked-rotor current peak	0.19 A
duration of locked-rotor current	180 ms
holding current mean value	19 mA
	12 VA
apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil	0.98
apparent holding power of magnet coil at AC	1.8 VA
inductive power factor with the holding power of the coil	0.79
closing power of magnet coil at DC	10.2 W
holding power of magnet coil at DC	1.3 W
closing delay	
• at AC	50 80 ms
• at DC	50 80 ms
opening delay	
• at AC	30 50 ms
	20 50
• at DC	30 50 ms
• at DC arcing time	30 50 ms 10 10 ms
arcing time	10 10 ms
arcing time control version of the switch operating mechanism	
arcing time	10 10 ms
arcing time control version of the switch operating mechanism residual current of the electronics for control with signal	10 10 ms
arcing time control version of the switch operating mechanism residual current of the electronics for control with signal <0> • at AC at 230 V maximum permissible	10 10 ms Standard A1 - A2
arcing time control version of the switch operating mechanism residual current of the electronics for control with signal <0>	10 10 ms Standard A1 - A2

- attachahla	0
attachable     instantaneous contact	0 2
	1
number of NO contacts for auxiliary contacts  • 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
	3 A
at 400 V     at 690 V	1A
operational current of auxiliary contacts at DC-13	TA
• at 24 V	6 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0.9 A
• at 220 V	0.3 A
contact reliability of auxiliary contacts	0.0000001
UL/CSA ratings	0.0000001
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	
<ul> <li>with side-by-side mounting at the side</li> </ul>	10 mm
<ul> <li>for grounded parts at the side</li> </ul>	10 mm
Connections/ Terminals	
type of electrical connection	
• for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul><li>for auxiliary and control circuit</li><li>at contactor for auxiliary contacts</li></ul>	screw-type terminals Screw-type terminals
•	
at contactor for auxiliary contacts	Screw-type terminals
at contactor for auxiliary contacts     of magnet coil	Screw-type terminals
at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections for main contacts	Screw-type terminals Screw-type terminals
at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections for main contacts     solid	Screw-type terminals Screw-type terminals  1x (2.5 25 mm²)
at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections for main contacts     solid     stranded	Screw-type terminals Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²)
at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections for main contacts     solid     stranded     solid or stranded	Screw-type terminals Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2,5 25 mm²)
at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections for main contacts     solid     stranded     solid or stranded     finely stranded with core end processing	Screw-type terminals Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2,5 25 mm²)
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections	Screw-type terminals Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2,5 25 mm²) 1x (2.5 16 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
at contactor for auxiliary contacts of magnet coil  type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded	Screw-type terminals  Screw-type terminals  1x (2.5 25 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)  1x (2,5 25 mm²)  1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
at contactor for auxiliary contacts of magnet coil  type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts solid solid or stranded finely stranded finely stranded finely stranded with core end processing	Screw-type terminals  1x (2.5 25 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)  1x (2,5 25 mm²)  1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid solid or stranded finely stranded with core end processing for auxiliary contacts for auxiliary contacts for solid finely stranded with core end processing for AWG cables for auxiliary contacts	Screw-type terminals  1x (2.5 25 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)  1x (2,5 25 mm²)  1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts type of minimum connectable cross-sections for main contacts at AC-6b	Screw-type terminals  1x (2.5 25 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)  1x (2,5 25 mm²)  1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts solid solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts  type of minimum connectable cross-sections for main contacts at AC-6b at 40 °C	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2,5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (18 14), 2x 12
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts type of minimum connectable cross-sections for main contacts at AC-6b	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2.5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (18 14), 2x 12
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded stranded finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts  type of minimum connectable cross-sections for main contacts at AC-6b at 40 °C  at 60 °C  AWG number as coded connectable conductor cross section for main contacts	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2.5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (18 14), 2x 12
at contactor for auxiliary contacts of magnet coil  type of connectable conductor cross-sections for main contacts solid stranded stranded finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts  type of minimum connectable cross-sections for main contacts at AC-6b at 40 °C at 60 °C  AWG number as coded connectable conductor cross section for	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2.5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (18 14), 2x 12
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded stranded finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts  type of minimum connectable cross-sections for main contacts at AC-6b at 40 °C  at 60 °C  AWG number as coded connectable conductor cross section for main contacts	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2.5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (18 14), 2x 12
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts type of minimum connectable cross-sections for main contacts at AC-6b at 40 °C at 60 °C  AWG number as coded connectable conductor cross section for main contacts  Safety related data  product function mirror contact according to IEC 60947-4-1	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2.5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  1x 16 mm² 1x 25 mm² 10 4
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts type of minimum connectable cross-sections for main contacts at AC-6b at 40 °C at 60 °C  AWG number as coded connectable conductor cross section for main contacts  Safety related data product function	Screw-type terminals  1x (2.5 25 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) 1x (2,5 25 mm²) 1x (2.5 16 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 1x (20 16), 2x (18 14), 2x 12

Certificates/ approvals

## **General Product Approval**

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=3RT2628-1NF35

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2628-1NF35

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NF35

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

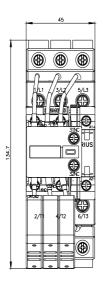
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2628-1NF35&lang=en

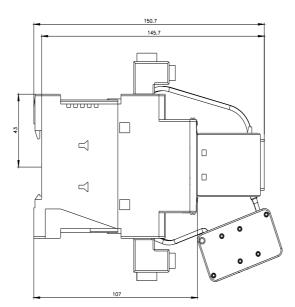
Characteristic: Tripping characteristics, I²t, Let-through current

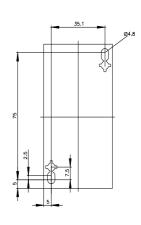
https://support.industry.siemens.com/cs/ww/en/ps/3RT2628-1NF35/char

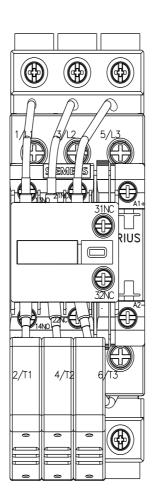
Further characteristics (e.g. electrical endurance, switching frequency)

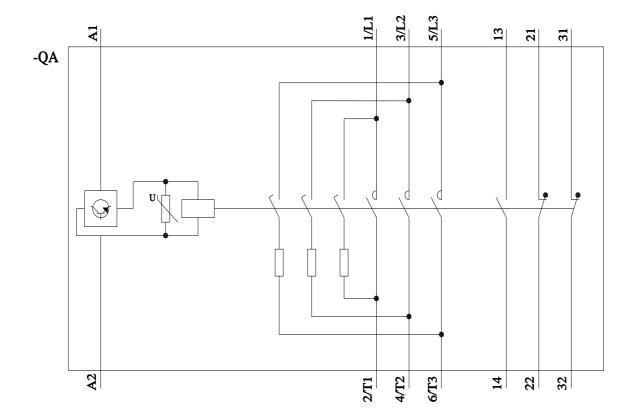
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2628-1NF35&objecttype=14&gridview=view1











last modified: 11/21/2022 🖸

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT26281NF35