SIEMENS

Data sheet 3RT2637-1AP03

Capacitor contactor, AC-6b 75 kVAr, / 400 V 1 NO + 1 NC, 230 V AC, 50 Hz 3-pole, Size S2 screw terminal



Product brand name	SIRIUS
Product designation	capacitor contactors
Product type designation	3RT26

General technical data	
Size of contactor	S2
Product extension	
Auxiliary switch	Yes
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 acc. to EN 	400 V
60947-1	
Protection class IP	
• on the front	IP20
• of the terminal	IP00
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)	150 000
Reference code acc. to DIN EN 81346-2	Q
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
Main circuit	
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating current	
 at AC-6b at 690 V at ambient temperature 60 C rated value 	108 A
Operational reactive power at AC-6b	
 at 230 V at 50/60 Hz at ambient temperature 60 C rated value 	14 43 kvar
 at 400 V at 50/60 Hz at ambient temperature 60 C rated value 	25 75 kvar
 at 500 V at 50/60 Hz at ambient temperature 60 C rated value 	31 94 kvar
 at 690 V at 50/60 Hz at ambient temperature 60 C rated value 	43 129 kvar
No-load switching frequency	
• at AC	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
● at 480 V maximum	50 1/h
● at 500 V maximum	45 1/h
● at 600 V maximum	32 1/h
• at 690 V maximum	25 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	230 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	190 V·A
Inductive power factor with closing power of the coil	0.72
Apparent holding power of magnet coil at AC	16 V·A
Inductive power factor with the holding power of the coil	0.37
Closing delay	
● at AC	10 80 ms
Arcing time	10 15 ms
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	1
• attachable	1
• instantaneous contact	1
Number of NO contacts for auxiliary contacts	1
• attachable	1
• instantaneous contact	1
Operating current of auxiliary contacts at AC-12 maximum	10 A
Operating current of auxiliary contacts at AC-15	
● at 230 V	6 A
● at 400 V	3 A
Operating 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: 200 A (690 V, 50 kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	

Installation/ mounting/ dimensions

Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 Height Width Depth Required spacing • with side-by-side mounting — at the side • for grounded parts — at the side • for auxiliary and control current circuit • for auxiliary and control current circuit — solid — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of connectable conductor for auxiliary contacts Type of connectable conductors for auxiliary contacts Type of connectable conductors for auxiliary contacts Type of connectable conductors for main contacts Type of connectable conductors for auxiliary contacts Type of connectable conductors for auxiliary contacts Type of connectable conductors for auxiliary contacts Type of connectable conductors for main contacts Type of connectable conductors for auxiliary contacts Type of connectable conductors for auxiliary contacts Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °C AWG number as coded connectable conductor cross-section for main contacts section for main contacts 18 0	Mounting position	+/-180° rotation possible on vertical mounting surface; can be
Serew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 114 mm	mounting position	
According to DIN EN 50022 114 mm 114 mm 114 mm 115 mm 120 mm		surface
Height 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 Connections/ Terminals Type of electrical connection • for main current circuit • for auxiliary and control current circuit • for auxiliary and control current circuit screw-type terminals Type of connectable conductor cross-sections • for main contacts — solid 2x (1 16 mm²) — stranded 2x (1 35 mm²), 1x (1 50 mm²) — single or multi-stranded 2x (1 35 mm²), 1x (1 35 mm²) • at AWG conductors for main contacts — solid 2x (1 25 mm²), 1x (1 35 mm²) • at AWG conductors for main contacts - solid 2x (1 25 mm²), 1x (1 35 mm²) • for auxiliary contacts - solid 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 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 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 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °C AWG number as coded connectable conductor cross section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1 • positively driven operation acc. to IEC 60947-5-1	Mounting type	·
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Depth 130 mm Required spacing • with side-by-side mounting — at the side 10 mm Connections/ Terminals Type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for main contacts — solid 2x (1 16 mm²) — stranded 2x (10 35 mm²), 1x (10 50 mm²) — single or multi-stranded — single or multi-stranded 2x (1 25 mm²), 1x (1 35 mm²) • at AWG conductor for main contacts - solid 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (18 2), 1x (18 0) 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 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 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °C 2x 35 mm² AWG number as coded connectable conductor cross section for main contacts Safety related data Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1 No		
Required spacing • with side-by-side mounting — at the side • for grounded parts • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts — solid — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts Type of connectable conductor cross-sections • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of connectable conductors for auxiliary contacts Type of finilmum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1 10 mm 10		
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- at the side • 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 current circuit screw-type terminals • for main contacts - solid - stranded - single or multi-stranded - finely stranded with core end processing • at AWG conductors for main contacts - solid - single or multi-stranded - finely stranded with core end processing • for auxiliary contacts - solid - single or multi-stranded - finely stranded with core end processing • for auxiliary contacts - solid - single or multi-stranded - finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of connectable conductor cross-sections • for auxiliary contacts - solid - single or multi-stranded - finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1		
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Connections/ Terminals Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts — solid — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts 2x (1 35 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section 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 acc. to IEC 60947-5-1 • positively driven operation acc. to IEC 60947-5-1		10 111111
Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts — solid — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts — solid — single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts 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 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °C • at 6		40
Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts — solid — stranded — single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — solid — staw G connectable conductor cross-sections • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	— at the side	10 mm
for main current circuit for auxiliary and control current circuit Type of connectable conductor cross-sections for main contacts — solid — stranded — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °	Connections/ Terminals	
• for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts	Type of electrical connection	
Type of connectable conductor cross-sections • for main contacts — solid — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts 2x (1 35 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts 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 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °C 1x 50 mm² 2x 35 mm² AWG number as coded connectable conductor cross section for main contacts Safety related data Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	for main current circuit	screw-type terminals
• for main contacts — solid — stranded — stranded — single or multi-stranded — finely stranded with core end processing • at AWG conductors for main contacts 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) • at AWG conductors for main contacts 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections • for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts 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 AWG conductors for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-8b • at 40 °C • at 60 °C 1x 50 mm² 2x 35 mm² AWG number as coded connectable conductor cross section for main contacts Safety related data Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	 for auxiliary and control current circuit 	screw-type terminals
- solid - stranded - single or multi-stranded - finely stranded with core end processing • at AWG conductors for main contacts Type of connectable conductor cross-sections • for auxiliary contacts - solid - single or multi-stranded 2x (1 35 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections • for auxiliary contacts - solid - single or multi-stranded 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 (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²) 2x	Type of connectable conductor cross-sections	
- stranded - single or multi-stranded - finely stranded with core end processing • at AWG conductors for main contacts Type of connectable conductor cross-sections • for auxiliary contacts - solid - single or multi-stranded 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections • for auxiliary contacts - solid - single or multi-stranded 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 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-6b • at 40 °C • at 60 °C 1x 50 mm² 2x (35 mm² 18 0 Safety related data Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	• for main contacts	
- single or multi-stranded - finely stranded with core end processing • at AWG conductors for main contacts Type of connectable conductor cross-sections • for auxiliary contacts - solid - single or multi-stranded - finely stranded with core end processing • at AWG conductors for auxiliary contacts 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 4 mm² 2x (0.5 1.5 mm²), 2x (1.3 1.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (1.3 1.5 mm²), 2x 4 mm² 2x (20 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	— solid	2x (1 16 mm²)
 finely stranded with core end processing at AWG conductors for main contacts 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 0) Type of connectable conductor cross-sections for auxiliary contacts solid single or multi-stranded finely stranded with core end processing at AWG conductors for auxiliary contacts Type of minimum connectable cross-section for main contacts at AC-6b at 40 °C at 60 °C AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for main contacts AWG number as coded connectable conductor cross section for main contacts Safety related data Product function Mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 No No No No No No 	— stranded	2x (10 35 mm²), 1x (10 50 mm²)
at AWG conductors for main contacts Type of connectable conductor cross-sections of or auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing of at AWG conductors for auxiliary contacts Type of minimum connectable cross-section for main contacts at AC-6b of at 40 °C of at 60 °C AWG number as coded connectable conductor cross section for main contacts Safety related data Product function Mirror contact acc. to IEC 60947-4-1 of positively driven operation acc. to IEC 60947-5-1 1 × 50 mm × (18 2), 1x (18 0) 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 (20 16), 2x (18 14), 2x 12 1 × 50 mm² No	— single or multi-stranded	2x (1 35 mm²), 1x (1 50 mm²)
Type of connectable conductor cross-sections	— finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
 for auxiliary contacts — solid — single or multi-stranded — finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1 1 x 50 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 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 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 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 (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts 1x 50 mm² 2x 35 mm² 18 0 No 	 at AWG conductors for main contacts 	2x (18 2), 1x (18 0)
- solid - single or multi-stranded - single or multi-stranded - finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5- 1 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 16), 2x (18 14), 2x 12 1x 50 mm² 2x 35 mm² 18 0	Type of connectable conductor cross-sections	
- single or multi-stranded - finely stranded with core end processing • at AWG conductors for auxiliary contacts Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	 for auxiliary contacts 	
 finely stranded with core end processing at AWG conductors for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 Type of minimum connectable cross-section for main contacts at AC-6b at 40 °C at 60 °C 2x 35 mm² AWG number as coded connectable conductor cross section for main contacts Safety related data Product function Mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 No No	— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
 at AWG conductors 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 at 60 °C AWG number as coded connectable conductor cross section for main contacts 18 0 Safety related data Product function Mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 No No	— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
Type of minimum connectable cross-section 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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
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 acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	 at AWG conductors for auxiliary contacts 	2x (20 16), 2x (18 14), 2x 12
 at 40 °C at 60 °C AWG number as coded connectable conductor cross section for main contacts Safety related data Product function Mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 	• •	
at 60 °C AWG number as coded connectable conductor cross section for main contacts Safety related data Product function Mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1		
AWG number as coded connectable conductor cross section for main contacts Safety related data Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1		
Safety related data Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5- 1		
Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5- 1		18 0
Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5- 1	section for main contacts	
 Mirror contact acc. to IEC 60947-4-1 positively driven operation acc. to IEC 60947-5-1 	Safety related data	
• positively driven operation acc. to IEC 60947-5- 1	Product function	
1	 Mirror contact acc. to IEC 60947-4-1 	No
Protection against electrical shock Not finger-safe		No
	Protection against electrical shock	Not finger-safe

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity













Declaration of	of
Conformity	

Test Certificates

Marine / Shipping

other

Miscellaneous

Type Test Certificates/Test Report



Confirmation

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=3RT2637-1AP03

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2637-1AP03

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2637-1AP03

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

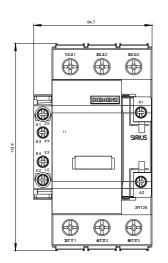
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2637-1AP03\&lang=en}}$

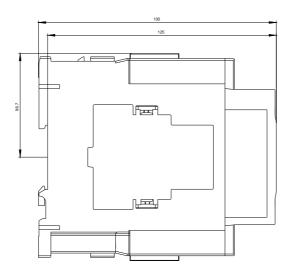
Characteristic: Tripping characteristics, I2t, Let-through current

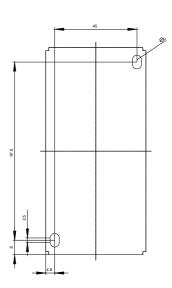
https://support.industry.siemens.com/cs/ww/en/ps/3RT2637-1AP03/char

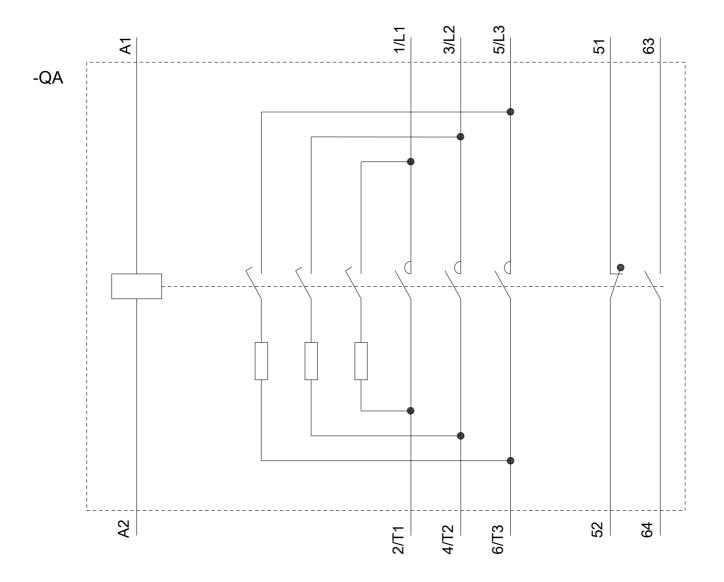
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2637-1AP03&objecttype=14&gridview=view1









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