

CONTACTOR, AC-6B, 50KVAR/400V, 1NO+1NC, 230V AC, 50HZ, 3-POLE, SIZE S2 SCREW TERMINAL



Figure similar

product brand name	SIRIUS
Product designation	3RT26 capacitor contactors
General technical data:	
Size of contactor	S2
Product expansion	
• Auxiliary switch	Yes
Insulation voltage	
• rated value	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
Protection class IP	
• on the front	IP00
Degree of pollution	3
Shock resistance	
• at rectangular impulse	
— at AC	6,8g / 5 ms, 4g / 10 ms
• 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)	200 000
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	72.2 A
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	60 1/h
• at 500 V maximum	55 1/h
• at 600 V maximum	40 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 ... 230 V
• 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	0.00000001

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	gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gL/gG: 10 A
— with type of assignment 1 required	
• for short-circuit protection of the auxiliary switch required	

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
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Height	114 mm
Width	65 mm
Depth	130 mm
Required spacing	
• with side-by-side mounting	10 mm
— at the side	
• for grounded parts	

— at the side

10 mm

Connections/ Terminals:

Type of electrical connection • for main current circuit • for auxiliary and control current circuit	screw-type terminals screw-type terminals
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	2x (0.75 ... 16 mm ²) 2x (16 ... 35 mm ²), 1x (16 ... 50 mm ²) 2x (1 ... 35 mm ²), 1x (1 ... 50 mm ²) 2x (1 ... 35 mm ²) 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 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² 2x (0,5 ... 1,5 mm ²), 2x (0,75 ... 2,5 mm ²), 2x 4 mm ² 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 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 35 mm ² 1x 50 mm ²

Safety related data:

Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5-1	No No
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Certificates/ approvals:

General Product Approval	Declaration of Conformity	other
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[Umweltbestätigung](#)

[Bestätigungen](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

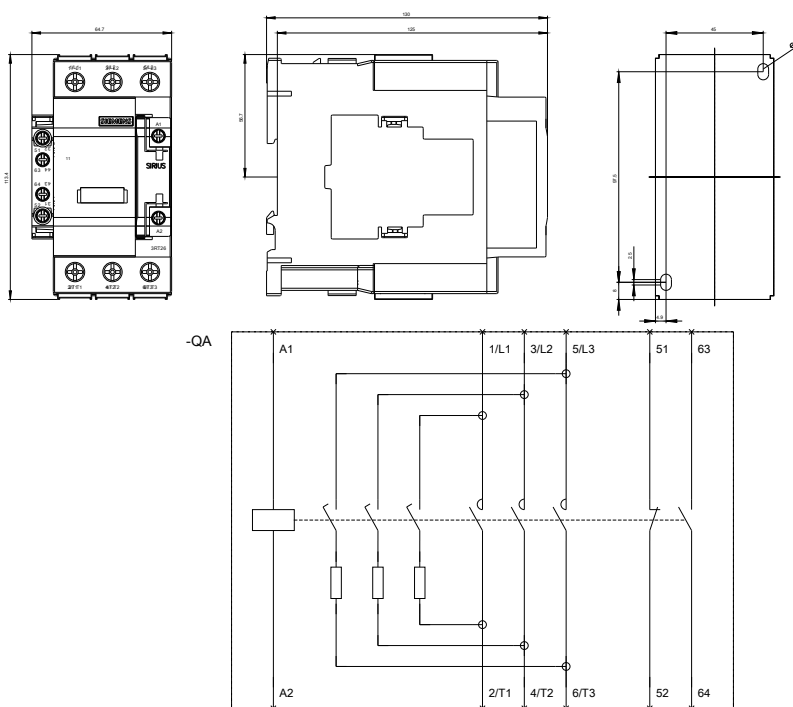
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