



Power contactor, AC-3 12 A, 5.5 kW / 400 V 1 NO, 24 V DC 0.7-1.25* Us 3-pole, Size S00 Screw terminal !!! Phased-out product !!! Successor is SIRIUS 3RT2 Preferred successor type is >>3RT2017-1HB41<<

product brand name	SIRIUS
product designation	power contactor
General technical data	
size of contactor	S00
degree of pollution	3
protection class IP	
• on the front	IP20
• of the terminal	IP20
mechanical service life (switching cycles)	
• of contactor typical	30 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitation (Date)	01.07.2006 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-25 ... +60 °C
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-1 at 400 V at ambient temperature 40 °C rated value	22 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated value	20 A
• at AC-3	
— at 400 V rated value	12 A
• at AC-4 at 400 V rated value	8.5 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	2.1 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	12 A
• with 3 current paths in series at DC-1	
— at 24 V rated value	20 A

— at 110 V rated value	20 A
operational current	
- at 1 current path at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value - with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value - with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value	20 A 0.15 A 20 A 0.35 A 20 A 20 A
operating power	
- at AC-1 - at 400 V rated value - at AC-2 at 400 V rated value - at AC-3 - at 400 V rated value - at 500 V rated value - at 690 V rated value	13 kW 5.5 kW 5.5 kW 5.5 kW 5.5 kW
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
- initial value - full-scale value	0.7 1.25
closing power of magnet coil at DC	2.3 W
holding power of magnet coil at DC	2.3 W
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	0
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
- at 230 V rated value - at 400 V rated value	6 A 3 A
operational current at DC-12	
- at 60 V rated value - at 110 V rated value - at 220 V rated value	6 A 3 A 1 A
operational current at DC-13	
- at 24 V rated value - at 60 V rated value - at 110 V rated value - at 220 V rated value	10 A 2 A 1 A 0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Short-circuit protection	
design of the fuse link	
- for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required	fuse gL/gG: 35 A fuse gL/gG: 20 A fuse gL/gG: 10 A
Installation/ mounting/ dimensions	
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
side-by-side mounting	Yes
height	57.5 mm
width	45 mm

depth	72 mm
required spacing for grounded parts at the side	6 mm
Connections/ Terminals	
type of electrical connection • for main current circuit • for auxiliary and control circuit	screw-type terminals screw-type terminals
type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 1x 12
type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/ approvals		
General Product Approval	EMC	Test Certificates



[Type Test Certificates/Test Report](#)

Test Certificates	Marine / Shipping
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[Special Test Certificate](#)



Marine / Shipping	other	Railway
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[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Special Test Certificate](#)

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=3RT1017-1HB41>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1017-1HB41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1017-1HB41>

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

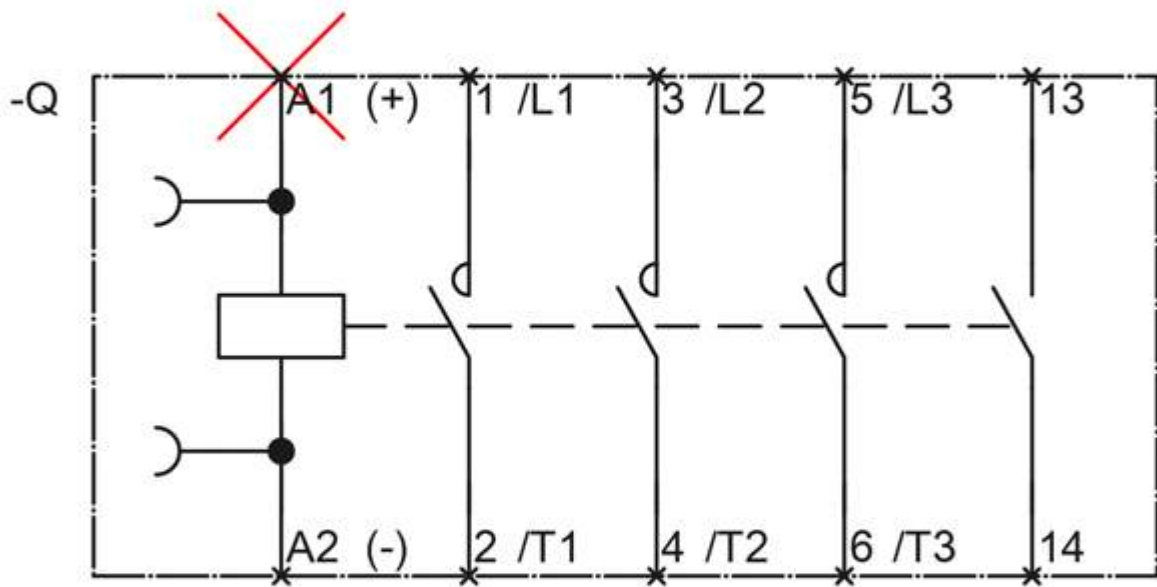
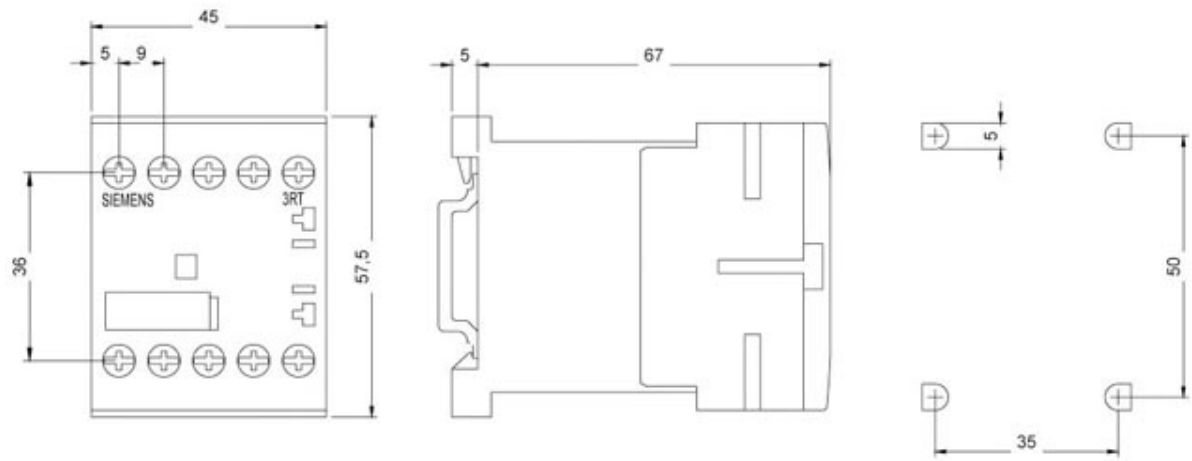
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1017-1HB41&lang=en

Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1017-1HB41/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1017-1HB41&objecttype=14&gridview=view1>



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