

CONTACTOR, AC-3, 11KW/400V, AC 230 V, 50 Hz, 4-POLE, 2NO + 2NC, SIZE S0, SCREW CONNECTION

product brand name		SIRIUS
Product designation		power contactor

General technical data:

Insulation voltage		
• Rated value	V	690
Degree of pollution		3
Mechanical service life (switching cycles)		
• of the contactor typical		10 000 000
• of the contactor with added electronics-compatible auxiliary switch block typical		5 000 000
• of the contactor with added auxiliary switch block typical		10 000 000
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

Main circuit:

Number of poles for main current circuit		4
Number of NC contacts for main contacts		2
Number of NO contacts for main contacts		2
Operating current		
• at AC-1		
— up to 690 V at ambient temperature 40 °C	A	40
• Rated value		

— up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at AC-3 at 400 V — per NO contact Rated value — per NC contact Rated value	A	35
Operating current with 1 current path		
• at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value	A	35
• at DC-3 at DC-5 — at 24 V per NC contact Rated value — at 24 V per NO contact Rated value — at 110 V per NC contact Rated value — at 110 V per NO contact Rated value — at 220 V per NC contact Rated value — at 220 V per NO contact Rated value — at 440 V per NC contact Rated value — at 440 V per NO contact Rated value	A	4.5
Operating current with 2 current paths in series		
• at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value	A	1
• at DC-3 at DC-5 — at 110 V per NC contact Rated value — at 110 V per NO contact Rated value — at 220 V per NC contact Rated value — at 220 V per NO contact Rated value — at 24 V per NC contact Rated value — at 24 V per NO contact Rated value — at 440 V per NC contact Rated value — at 440 V per NO contact Rated value	A	0.4
Operating power		
• at AC-1 at 400 V Rated value	kW	26
Operating power		
• at AC-1 — at 230 V Rated value • at AC-2 at AC-3	kW	15

— at 230 V per NC contact Rated value	kW	5.5
— at 230 V per NO contact Rated value	kW	5.5
— at 400 V per NC contact Rated value	kW	11
— at 400 V per NO contact Rated value	kW	11

Control circuit/ Control:		
Type of voltage of the control supply voltage		AC
Control supply voltage with AC		
• at 50 Hz Rated value	V	230
Operating range factor control supply voltage rated value of the magnet coil with AC		
• at 50 Hz		0.8 ... 1.1
Apparent pick-up power of the magnet coil with AC	V·A	61
Apparent holding power of the magnet coil with AC	V·A	7.8
Inductive power factor		
• with closing power of the coil		0.82
• with the holding power of the coil		0.24
Control version of the switch operating mechanism		conventional

Auxiliary circuit:		
Number of NC contacts		
• for auxiliary contacts		
— instantaneous contact		0
Number of NO contacts		
• for auxiliary contacts		
— instantaneous contact		0
Operating current at AC-15		
• at 230 V Rated value	A	6
• at 400 V Rated value	A	3
Operating current		
• at DC-12 at 220 V Rated value	A	1
• at DC-13 at 220 V Rated value	A	0.3
Operating current		
• at DC-12		
— at 60 V Rated value	A	6
— at 110 V Rated value	A	3
• at DC-13		
— at 24 V Rated value	A	10
— at 60 V Rated value	A	2
— at 110 V Rated value	A	1
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)

Short-circuit:		
Design of the fuse link		

<ul style="list-style-type: none"> • for short-circuit protection of the main circuit <ul style="list-style-type: none"> — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required 		fuse gL/gG: 63 A fuse gL/gG: 35 A fuse gL/gG: 10 A
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Installation/ mounting/ dimensions:			
mounting position			with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mounting type			screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
• Side-by-side mounting			Yes
Height	mm	85	
Width	mm	61	
Depth	mm	91	
Required spacing			
• for grounded parts			
— at the side	mm	6	

Connections/ Terminals:			
Type of electrical connection			
• for main current circuit			screw-type terminals
• for auxiliary and control current circuit			screw-type terminals
Type of connectable conductor cross-section			
• for main contacts			
— solid			2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²), max. 2x 10 mm ²
— single or multi-stranded			2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²), max. 2x 10 mm ²
— finely stranded with core end processing			2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
• for AWG conductors for main contacts			2x (20 ... 16), 2x (18 ... 14), 1x 12
• for auxiliary contacts			
— solid			2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²)
— single or multi-stranded			2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²)
— finely stranded with core end processing			2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
• for AWG conductors for auxiliary contacts			2x (20 ... 16), 2x (18 ... 14), 1x 12
Apparent pick-up power of the magnet coil with AC			
• at 50 Hz	V·A	61	

Safety related data:			
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100	
Protection against electrical shock			finger-safe

Mechanical data:			
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Size of contactor		S0
Ambient conditions:		
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-55 ... +80

Certificates/ approvals:			
General Product Approval		Functional Safety/Safety of Machinery	Declaration of Conformity



[Type Examination](#)



EG-Konf.

Test Certificates	Shipping Approval
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[Special Test Certificate](#)



ABS



DNV



GL



LRS



RINA

Shipping Approval	other
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[Confirmation](#)

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Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

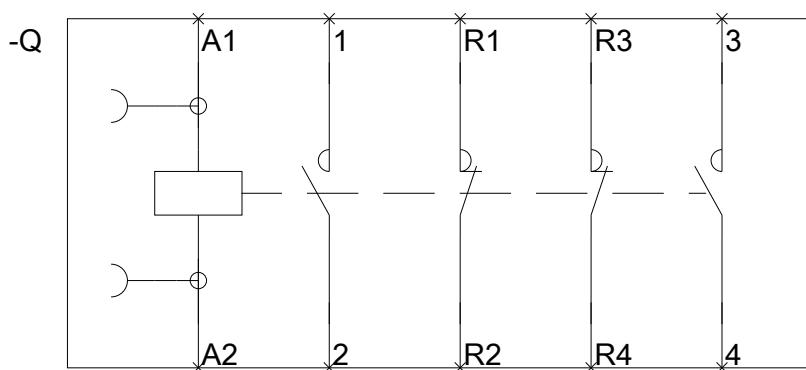
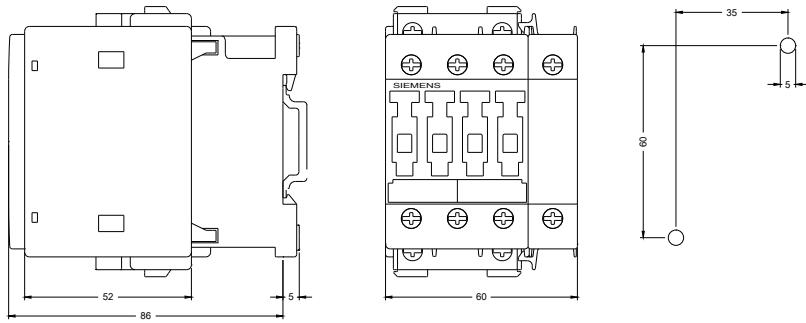
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RT15261AP00>

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

<http://support.automation.siemens.com/WW/view/en/3RT15261AP00/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RT15261AP00&lang=en



last modified:

11.03.2015