

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:

<b>Insulation voltage</b>		
• Rated value	V	690
<b>Degree of pollution</b>		3
<b>Mechanical service life (switching cycles)</b>		
• 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
<b>Protection class IP</b>		
• on the front		IP20
<b>Equipment marking</b>		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

### Main circuit:

<b>Number of poles for main current circuit</b>		4
<b>Number of NC contacts for main contacts</b>		2
<b>Number of NO contacts for main contacts</b>		2
<b>Operating current</b>		
• 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	A	35
• at AC-2 at AC-3 at 400 V		
— per NO contact Rated value	A	25
— per NC contact Rated value	A	25
<b>Operating current with 1 current path</b>		
• at DC-1		
— at 24 V Rated value	A	35
— at 110 V Rated value	A	4.5
— at 220 V Rated value	A	1
— at 440 V Rated value	A	0.4
• at DC-3 at DC-5		
— at 24 V per NC contact Rated value	A	20
— at 24 V per NO contact Rated value	A	20
— at 110 V per NC contact Rated value	A	1.25
— at 110 V per NO contact Rated value	A	2.5
— at 220 V per NC contact Rated value	A	0.5
— at 220 V per NO contact Rated value	A	1
— at 440 V per NC contact Rated value	A	0.045
— at 440 V per NO contact Rated value	A	0.09
<b>Operating current with 2 current paths in series</b>		
• at DC-1		
— at 24 V Rated value	A	35
— at 110 V Rated value	A	35
— at 220 V Rated value	A	5
— at 440 V Rated value	A	1
• at DC-3 at DC-5		
— at 110 V per NC contact Rated value	A	7.5
— at 110 V per NO contact Rated value	A	15
— at 220 V per NC contact Rated value	A	1.5
— at 220 V per NO contact Rated value	A	3
— at 24 V per NC contact Rated value	A	35
— at 24 V per NO contact Rated value	A	35
— at 440 V per NC contact Rated value	A	0.135
— at 440 V per NO contact Rated value	A	0.27
<b>Operating power</b>		
• at AC-1 at 400 V Rated value	kW	26
<b>Operating power</b>		
• at AC-1		
— at 230 V Rated value	kW	15
• at AC-2 at AC-3		

- at 230 V per NC contact Rated value
- at 230 V per NO contact Rated value
- at 400 V per NC contact Rated value
- at 400 V per NO contact Rated value

kW	5.5
kW	5.5
kW	11
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		
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- for short-circuit protection of the main circuit
  - 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

#### Installation/ mounting/ dimensions:

<b>mounting position</b>		with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<ul style="list-style-type: none"> <li>• Side-by-side mounting</li> </ul>		Yes
<b>Height</b>	mm	85
<b>Width</b>	mm	61
<b>Depth</b>	mm	91
<b>Required spacing</b>		
<ul style="list-style-type: none"> <li>• for grounded parts               <ul style="list-style-type: none"> <li>— at the side</li> </ul> </li> </ul>	mm	6

#### Connections/ Terminals:

<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>		screw-type terminals screw-type terminals
<b>Type of connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for main contacts               <ul style="list-style-type: none"> <li>— solid</li> <li>— single or multi-stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• for AWG conductors for main contacts</li> <li>• for auxiliary contacts               <ul style="list-style-type: none"> <li>— solid</li> <li>— single or multi-stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• for AWG conductors for auxiliary contacts</li> </ul>		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), max. 2x 10 mm² 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), max. 2x 10 mm² 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12  2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12
<b>Apparent pick-up power of the magnet coil with AC</b>		
<ul style="list-style-type: none"> <li>• at 50 Hz</li> </ul>	V·A	61

#### Safety related data:

Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
<b>Protection against electrical shock</b>		finger-safe






#### Mechanical data:






Size of contactor		S0
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#### 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
 CCC	 CSA	 EAC
 UL	<a href="#">Type Examination</a>	 EG-Konf.

Test Certificates	Shipping Approval
<a href="#">Special Test Certificate</a>	 ABS
	 DNV
	 GL
	 LRS
	 RINA

Shipping Approval	other
 RMRS	<a href="#">Confirmation</a>
	<a href="#">Environmental Confirmations</a>
	<a href="#">other</a>

#### 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

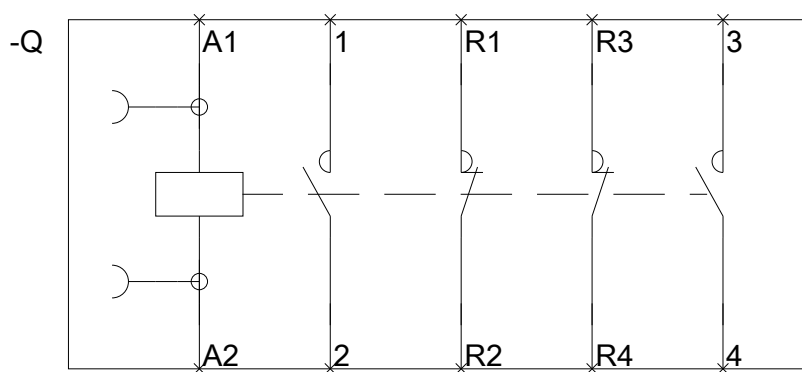
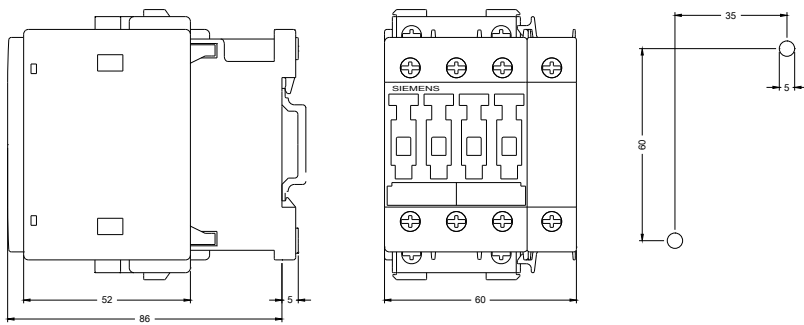
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT15261AP00>

##### 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?mlfb=3RT15261AP00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT15261AP00&lang=en)



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