

CONTACTOR, AC-3, 11KW/400V, DC 125 V,
4-POLE, 2 NO + 2 NC, SIZE S0,
SCREW CONNECTION

General technical data:

product brand name		SIRIUS
Size of the contactor		S0
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
• during storage	°C	-55 ... +80
• during operating	°C	-25 ... +60
Insulation voltage / rated value	V	690
Mechanical operating cycles as operating time		
• of the contactor / typical		10,000,000
• of the contactor with added auxiliary switch block / typical		10,000,000
• of the contactor with added electronics-compatible auxiliary switch block / typical		5,000,000

Main circuit:

Number of NC contacts / for main contacts		2
Number of NO contacts / for main contacts		2
Operational current / at AC-1 / up to 690 V		
• at 40 °C ambient temperature / rated value	A	40
• at 60 °C ambient temperature / rated value	A	35
Operating current / at AC-2 / at AC-3		
• at 400 V		
• per NO contact / rated value	A	20
• per NC contact / rated value	A	20
Operating current		
• with 1 current path / 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

<ul style="list-style-type: none"> • with 2 current paths in series / at DC-1 <ul style="list-style-type: none"> • at 24 V / rated value • at 110 V / rated value • at 220 V / rated value • at 440 V / rated value 	<ul style="list-style-type: none"> A 35 A 35 A 5 A 1
Operating current	
<ul style="list-style-type: none"> • with 1 current path / at DC-3 / at DC-5 <ul style="list-style-type: none"> • at 24 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • at 110 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • at 220 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • at 440 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • with 2 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> • at 24 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • at 110 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • at 220 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value • at 440 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value 	<ul style="list-style-type: none"> A 20 A 20 A 2.5 A 1.25 A 1 A 0.5 A 0.09 A 0.045 A 35 A 35 A 15 A 7.5 A 3 A 1.5 A 0.27 A 0.135
Operating performance	
<ul style="list-style-type: none"> • at AC-1 <ul style="list-style-type: none"> • at 230 V / rated value • at 400 V / rated value • at AC-2 / at AC-3 <ul style="list-style-type: none"> • at 230 V <ul style="list-style-type: none"> • per NO contact / rated value • per NC contact / rated value 	<ul style="list-style-type: none"> kW 15 kW 26 kW 5.5 kW 5.5

<ul style="list-style-type: none"> • at 400 V • per NO contact / rated value • per NC contact / rated value 	kW	11
	kW	11
Active power loss / at AC-3 / at 400 V / with rated Operating current value / per conductor	W	1.6
Frequency of operation		
<ul style="list-style-type: none"> • with AC-1 / maximum 	1/h	1,000
<ul style="list-style-type: none"> • at AC-2 / at AC-3 / maximum 	1/h	750

Control circuit/ Control:

Voltage type / of control feed voltage		DC
Control supply voltage		
<ul style="list-style-type: none"> • for DC / rated value 	V	125
operating range factor control supply voltage rated value / of the magnet coil		
<ul style="list-style-type: none"> • for DC 		0.8 ... 1.1
Pull-in power / of the solenoid / for DC	W	5.4
Holding power / of the solenoid / for DC	W	5.4
Closing delay		
<ul style="list-style-type: none"> • at AC 	ms	6 ... 30
<ul style="list-style-type: none"> • at DC 	ms	30 ... 90
Opening delay		
<ul style="list-style-type: none"> • at AC 	ms	13 ... 25
<ul style="list-style-type: none"> • at DC 	ms	13 ... 40
Arcing time	ms	10 ... 15
Residual current / of electronics / for control with signal <0>		
<ul style="list-style-type: none"> • at 24 V / with DC / maximum permissible 	A	0.016

Auxiliary circuit:

Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous switching		0
Number of NO contacts / for auxiliary contacts / instantaneous switching		0
Operating current		
<ul style="list-style-type: none"> • at AC-12 / maximum 	A	10
<ul style="list-style-type: none"> • at AC-15 / at 230 V / rated value 	A	6
<ul style="list-style-type: none"> • at AC-15 / at 400 V / rated value 	A	3
Operating current / at DC-12		
<ul style="list-style-type: none"> • at 60 V / rated value 	A	6
<ul style="list-style-type: none"> • at 110 V / rated value 	A	3
<ul style="list-style-type: none"> • at 220 V / rated value 	A	1

Operating current / at DC-13		
• at 24 V / rated value	A	10
• at 60 V / rated value	A	2
• at 110 V / rated value	A	1
• at 220 V / rated value	A	0.3

Short-circuit:

Design of the fuse link		
• for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
• for short-circuit protection of the main circuit		
• with type of assignment 1 / required		fuse gL/gG: 63 A
• at type of coordination 2 / required		fuse gL/gG: 35 A

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
Mounting type / series installation		Yes
Width	mm	61
Height	mm	85
Depth	mm	101

Connections/ terminals:

Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Type of the 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
• finely stranded		
• with conductor 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)
• finely stranded		
• with conductor 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

Certificates/ approvals:

General Product Approval

Functional Safety / Safety of Machinery

Declaration of Conformity



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

Test Certificates

Shipping Approval

[Special Test Certificate](#)



ABS



GL



LRS



RINA



RMRS

other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

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

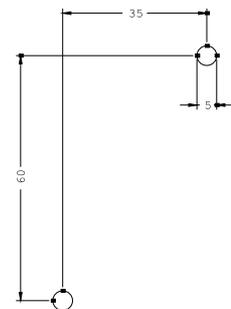
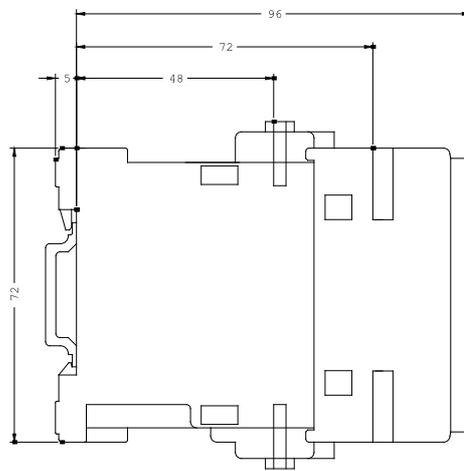
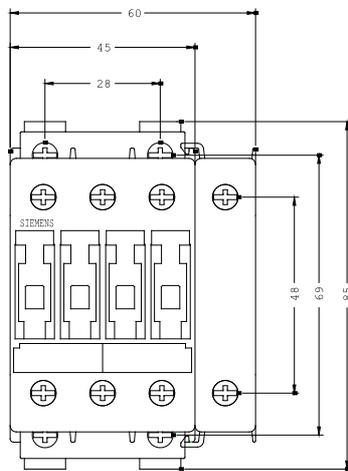
<http://www.siemens.com/cax>

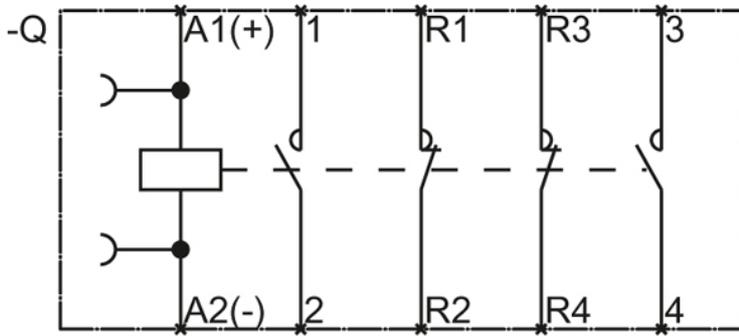
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1526-1BG40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1526-1BG40





last change:

Jul 28, 2014