

CONTACTOR,
250KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 21-
27.3V AUXILIARY CONTACTS 2NO+2NC 3-POLE,
SIZE S12 BAR CONNECTIONS ELECTRONIC
OPERATING MECHANISM WITH 24 V DC PLC
INTERFACE CAGE CLAMP TERMINAL

General technical data:

product brand name		SIRIUS
Size of the contactor		S12
Protection class IP / on the front		IP00
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature / during operating	°C	-25 ... +60
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		0
Number of NO contacts / for main contacts		3
Operational current		
• at AC-1 / at 400 V		
• at 40 °C ambient temperature / rated value	A	610
• at 60 °C ambient temperature / rated value	A	550
• at AC-3 / at 400 V / rated value	A	500
• at AC-4 / at 400 V / rated value	A	430
• with 1 current path / at DC-1		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	33
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
• with 3 current paths in series / at DC-1		
• at 24 V / rated value	A	400

• at 110 V / rated value	A	400
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	3
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	400
• at 110 V / rated value	A	400
Service power		
• at AC-2 / at 400 V / rated value	kW	291
• at AC-3 / at 400 V / rated value	kW	291
• at AC-4 / at 400 V / rated value	W	250,000

Control circuit:

Design of the surge suppressor		with varistor
Type of voltage / of the controlled supply voltage		AC/DC
Operating range factor control supply voltage rated value / of the magnet coil		
• at 50 Hz		
• for AC		0.8 ... 1.1
• at 60 Hz		
• for AC		0.8 ... 1.1
• for DC		0.8 ... 1.1
Apparent pull-in power / of the solenoid / for AC	V·A	750
Apparent holding power / of the solenoid / for AC	V·A	7
Inductive power factor / with the pull-in power of the coil		0.8
Inductive power factor / with the pull-in power of the coil		0.8
Pull-in power / of the solenoid / for DC	W	800
Holding power / of the solenoid / for DC	W	5

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		2
Number of NO contacts / for auxiliary contacts / instantaneous switching		2

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
- at type of coordination 2 / required

fuse gL/gG: 630 A
fuse gL/gG: 500 A

Installation/mounting/dimensions:

Type of mounting		screw fixing
series installation		Yes
Width	mm	160
Height	mm	214
Depth	mm	225
Distance, to be maintained, to earthed part / sideways	mm	10

Connection type:

Design of the electrical connection		
• for main current circuit • for auxiliary and control current circuit		Cage Clamp terminals Cage Clamp terminals
Type of the connectable conductor cross-section		
• for AWG conductors / for main contacts • for auxiliary contacts • solid • finely stranded • with conductor end processing • without conductor final cutting • for AWG conductors / for auxiliary contacts		2/0 ... 500 kcmil 2x (0.25 ... 2.5 mm²) 2x (0.25 ... 1.5 mm²) 2x (0.25 ... 2.5 mm²) 2x (24 ... 14)

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery

Declaration of Conformity



CCC



CSA



GOST



UL

[Type Examination](#)



EG-Konf.

Test Certificates

Shipping Approval

[Special Test
Certificate](#)



ABS



GL



RMRS

other

[Confirmation](#)

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Further information:

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

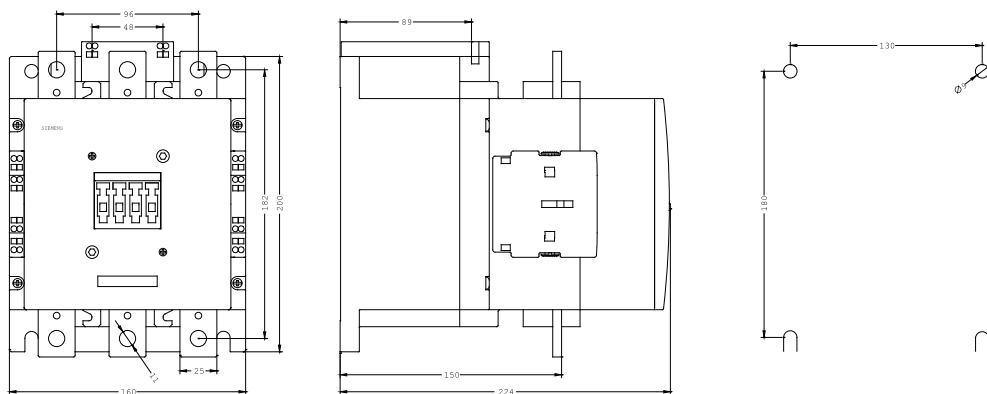
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)
<http://www.siemens.com/industrial-controls/mall>

Cax online generator:
<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<http://support.automation.siemens.com/WW/view/en/3RT1076-2NB36/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1076-2NB36



last change:

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