

CONTACTOR,
90KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 21-
27.3V AUXILIARY CONTACTS 2NO+2NC 3-POLE,
SIZE S6 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		S6
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	215
• at 60 °C ambient temperature / rated value	A	185
• at AC-3 / at 400 V / rated value	A	185
• at AC-4 / at 400 V / rated value	A	160
• with 1 current path / at DC-1		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	18
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• with 3 current paths in series / at DC-1		
• at 24 V / rated value	A	160

• at 110 V / rated value	A	160
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	2.5
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	160
• at 110 V / rated value	A	160
Service power		
• at AC-2 / at 400 V / rated value	kW	104
• at AC-3 / at 400 V / rated value	kW	104
• at AC-4 / at 400 V / rated value	W	90,000

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		0.8 ... 1.1
• for AC		
• at 60 Hz		0.8 ... 1.1
• for AC		
• for DC		0.8 ... 1.1
Apparent pull-in power / of the solenoid / for AC	V·A	280
Apparent holding power / of the solenoid / for AC	V·A	4.4
Inductive power factor / with the pull-in power of the coil		0.8
Inductive power factor / with the pull-in power of the coil		0.4
Pull-in power / of the solenoid / for DC	W	320
Holding power / of the solenoid / for DC	W	2.8

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: 355 A
fuse gL/gG: 315 A

Installation/mounting/dimensions:

Type of mounting		screw fixing
series installation		Yes
Width	mm	120
Height	mm	172
Depth	mm	180
Distance, to be maintained, to earthed part / sidewards	mm	10

Connection type:

Design of the electrical connection		Cage Clamp terminals Cage Clamp terminals
Type of the connectable conductor cross-section		4 ... 250 kcmil 2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 2.5 mm ²) 2x (24 ... 14)

Certificates/approvals:

General Product Approval	Functional Safety / Safety of Machinery	Declaration of Conformity
 CCC	 UL	 EG-Konf.

[Type Examination](#)

Test Certificates	Shipping Approval
Special Test Certificate	 ABS



other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

Further information:

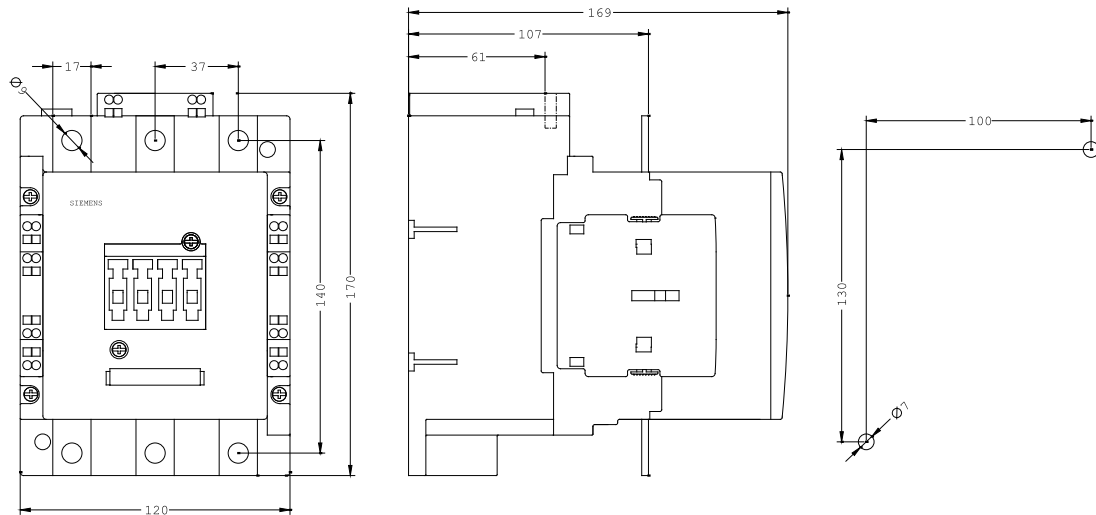
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