

CONTACTOR, 75KW/400V/AC-3,
AC(40...60HZ)/DC OPERATION UC 110...127V AUXIL.
CONTACTS 2NO+2NC 3-POLE,
SIZE S6 BAR CONNECTIONS CONVENTIONAL
OPERATING MECHAN. SCREW 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		
<ul style="list-style-type: none"> • of the contactor / typical 		10,000,000
<ul style="list-style-type: none"> • of the contactor with added auxiliary switch block / typical 		10,000,000
<ul style="list-style-type: none"> • 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
Operating current		
<ul style="list-style-type: none"> • at AC-1 / at 400 V <ul style="list-style-type: none"> • at 40 °C ambient temperature / rated value • at 60 °C ambient temperature / rated value 	A	185
<ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value 	A	160
<ul style="list-style-type: none"> • at AC-4 / at 400 V / rated value 	A	150
<ul style="list-style-type: none"> • at AC-4 / at 400 V / rated value 	A	132
<ul style="list-style-type: none"> • with 1 current path / at DC-1 <ul style="list-style-type: none"> • at 24 V / rated value • at 110 V / rated value 	A	160
<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 	A	18
<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 	A	160
<ul style="list-style-type: none"> • with 3 current paths in series / at DC-1 <ul style="list-style-type: none"> • at 24 V / rated value • at 110 V / rated value 	A	160
<ul style="list-style-type: none"> • with 3 current paths in series / at DC-1 <ul style="list-style-type: none"> • at 24 V / rated value • at 110 V / rated value 	A	160

<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 / rated value • at 110 V / rated value • with 2 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> • at 24 V / rated value • at 110 V / rated value • with 3 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> • at 24 V / rated value • at 110 V / rated value 	A	160
	A	2.5
	A	160
	A	160
	A	160
	A	160
Service power		
<ul style="list-style-type: none"> • at AC-2 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-4 / at 400 V / rated value 	kW	84
	kW	84
	W	75,000
Active power loss / per conductor / typical	W	9

Control circuit:

Design of the surge suppressor		with varistor
Type of voltage / of the controlled supply voltage		AC/DC
Control supply voltage / 1		
<ul style="list-style-type: none"> • for DC <ul style="list-style-type: none"> • initial rated value • final rated value • at 50 Hz / for AC <ul style="list-style-type: none"> • initial rated value • final rated value • at 60 Hz / for AC <ul style="list-style-type: none"> • initial rated value • final rated value 	V	110
	V	127
	V	110
	V	127
	V	110
	V	127
Operating range factor control supply voltage rated value / of the magnet coil		
<ul style="list-style-type: none"> • at 50 Hz <ul style="list-style-type: none"> • for AC • at 60 Hz <ul style="list-style-type: none"> • for AC • for DC 		0.8 ... 1.1
		0.8 ... 1.1
		0.8 ... 1.1
Apparent pull-in power / of the solenoid / for AC	V·A	300
Apparent holding power / of the solenoid / for AC	V·A	5.8
Inductive power factor / with the pull-in power of the coil		0.9
Inductive power factor / with the pull-in power of the coil		0.8
Pull-in power / of the solenoid / for DC	W	360

Holding power / of the solenoid / for DC	W	5.2
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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
Operating current / of the auxiliary contacts		
<ul style="list-style-type: none"> • at AC-12 / maximum 	A	10
<ul style="list-style-type: none"> • at AC-15 		
<ul style="list-style-type: none"> • at 230 V 	A	6
<ul style="list-style-type: none"> • at 400 V 	A	3
<ul style="list-style-type: none"> • at DC-12 		
<ul style="list-style-type: none"> • at 60 V 	A	6
<ul style="list-style-type: none"> • at 110 V 	A	3
<ul style="list-style-type: none"> • at 220 V 	A	1
<ul style="list-style-type: none"> • at DC-13 		
<ul style="list-style-type: none"> • at 24 V 	A	10
<ul style="list-style-type: none"> • at 60 V 	A	2
<ul style="list-style-type: none"> • at 110 V 	A	1
<ul style="list-style-type: none"> • at 220 V 	A	0.3

Short-circuit:

Design of the fuse link		
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch / required 		fuse gL/gG: 10 A
<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 		fuse gL/gG: 355 A
<ul style="list-style-type: none"> • at type of coordination 2 / required 		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 / sideways	mm	10

Connection type:

Design of the electrical connection		
<ul style="list-style-type: none"> • for main current circuit 		screw-type terminals
<ul style="list-style-type: none"> • for auxiliary and control current circuit 		screw-type terminals

Type of the connectable conductor cross-section

- for AWG conductors / for main contacts
- for auxiliary contacts
 - finely stranded
 - with conductor end processing
- for AWG conductors / for auxiliary contacts

4 ... 250 kcmil

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

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

CCC



CSA



GOST



UL

[Type Examination](#)

EG-Konf.

Test Certificates[other](#)[Special Test
Certificate](#)

ABS



DNV

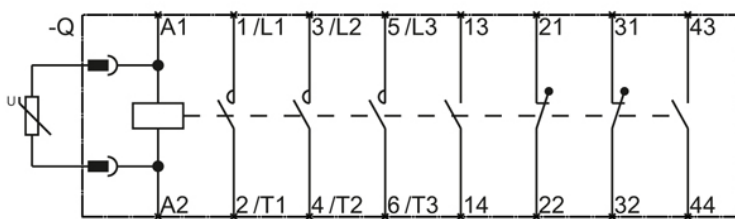
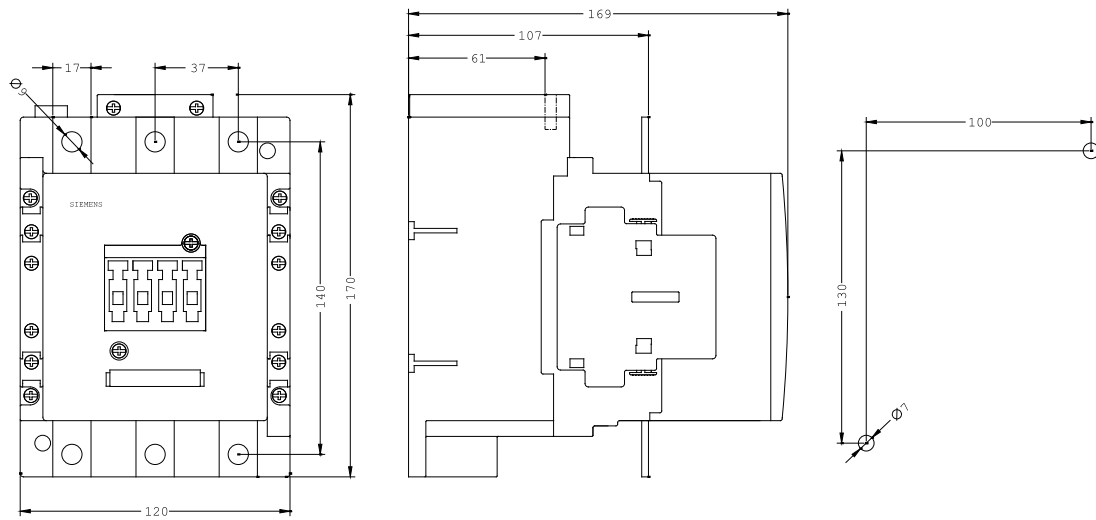


GL

other[Confirmation](#)[other](#)

UL

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/3RT1055-6AF36/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1055-6AF36



last change:

Jul 27, 2012