

CONTACTOR, AC-3 4 KW / 400 V,
AC-1 18 A,
AC 110 V 50 HZ / 120 V 60 HZ 4-POLE,
4 NO, SIZE S00, CAGE CLAMP CONNECTION

General technical data:

product brand name		SIRIUS
Size of the contactor		S00
Protection class IP / on the front		IP20
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 		30,000,000
<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		4
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 	A	18
<ul style="list-style-type: none"> at AC-3 / at 400 V / rated value 	A	9
<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	18
	A	2.1
<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
	A	12
<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	18
	A	18
<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 	A	18
	A	0.15

<ul style="list-style-type: none"> 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	18
	A	0.35
	A	18
	A	18
Service power		
<ul style="list-style-type: none"> at AC-2 / at 400 V / rated value at AC-3 / at 400 V / rated value 	kW	4
	kW	4

Control circuit:

Voltage type / of control feed voltage		AC
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 		0.8 ... 1.1
		0.85 ... 1.1
Apparent pull-in power / of the solenoid / for AC	V·A	31.7
Apparent holding power / of the solenoid / for AC	V·A	5.1
Inductive power factor / with the pull-in power of the coil		0.77
Inductive power factor / with the pull-in power of the coil		0.27

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

Short-circuit:

Design of the fuse link		
<ul style="list-style-type: none"> for short-circuit protection of the auxiliary switch / required for short-circuit protection of the main circuit <ul style="list-style-type: none"> with type of assignment 1 / required at type of coordination 2 / required 		fuse gL/gG: 10 A fuse gL/gG: 35 A fuse gL/gG: 20 A

Installation/mounting/dimensions:

Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
series installation		Yes
Width	mm	45
Height	mm	60

Depth	mm	72
Distance, to be maintained, to earthed part / sideways	mm	6

Connection type:

Design of the electrical connection		Cage Clamp terminals
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		Cage Clamp terminals
Type of the connectable conductor cross-section		
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • without conductor final cutting • for AWG conductors / for main contacts • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • without conductor final cutting • for AWG conductors / for auxiliary contacts 		2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 2.5 mm ²) 2x (24 ... 14) 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
 CSA  EAC  UL  RU [®]		Type Examination	 CE EG-Konf.
Test Certificates	Shipping Approval		
Special Test Certificate	 ABS	 GL	 Lloyd's Register LRS
			 RINA
			 RMRS
other			
Confirmation	other	Environmental Confirmations	

Further information:

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

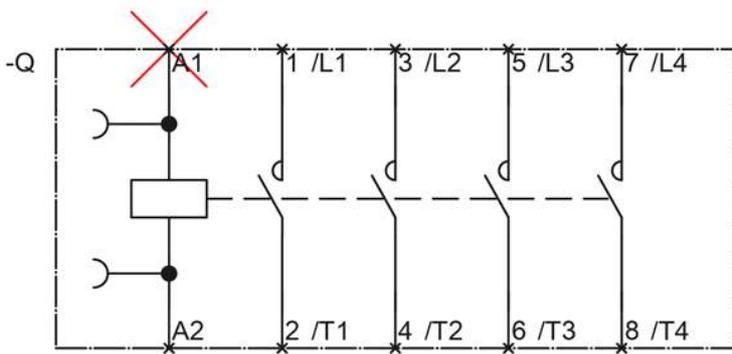
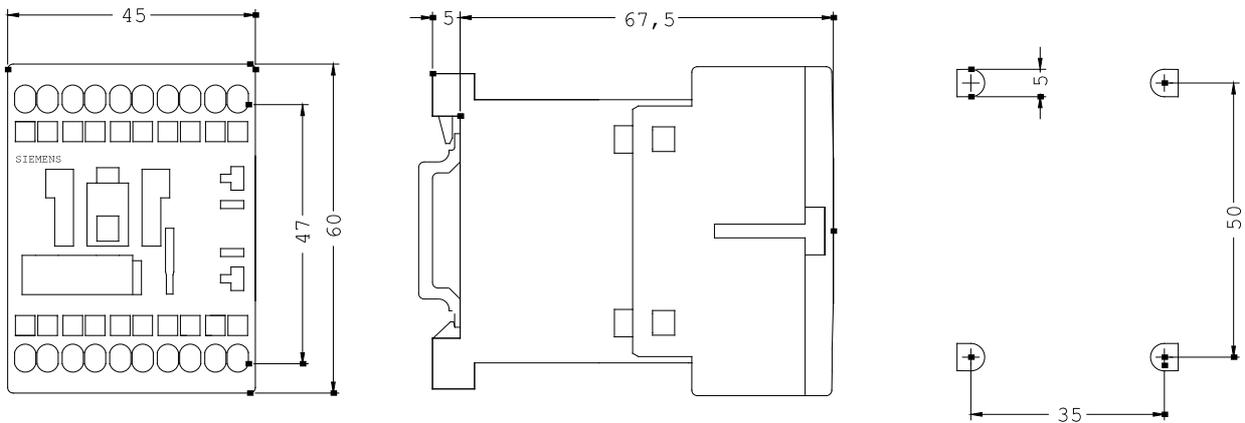
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

Cax online generator:

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



last change:

Jul 28, 2014