



Our new Dragon Series, which consists of the SE type contactor, are unique and innovative design of compact contactor suitable for applications including UPS and Telecom Power Systems, Electric Vehicles and Frequency Converters. The series offers both Normally Open and Normally Closed Single Pole Single Throw configurations and are rated from 100 to 400 amps continuously. Coil driver options include Standard, Dual Coil and Magnetic Latching options.

Directly compatible with existing contactors within the market, the Dragon Series offers superior performance, size and quality.



100 AMPS

SEO100 - Normally Open SEC100 - Normally Closed **200 AMPS**

SEO200 - Normally Open SEC200 - Normally Closed **400 AMPS**

SEO400 - Normally Open SEC400 - Normally Closed

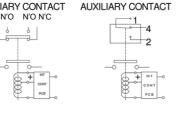
SEC100 100 Amps

Single Pole Single Throw Normally Closed



SE100

SEO100 Coil Driver		
Description	Watts	Suffix
Standard - operates as conventional CO coil	5 - 7W	С
Intermittent	10 - 14W	1
Magnetic Latching ¹	10 - 14W	М
Dual Coil ¹	Starting: up to 100W	D
Duai Coli	Holding: 3W	D
¹ Coil Polarity Markings must be Observed		



Dual Coil

Coil Polarity markings must be observed for Magnetic Latching and Dual Coil options, or when suppression fitted.

For Magnetic Latching coils: Supply positive to coil '+' to close switch Supply positive to coil '-' to open switch

SEO100 & SEC100 Technical Data Continuous Current Rating (Ith) 100A Configuration: SEO100 Normally Open SEC100 Normally Closed Pole Single Throw Single Ambient Temperature - 40°C to + 70°C Main Contact Rated Voltage Up to 60V D.C. mV Drop 30mV at 100A Pull-in Voltage max 66% of nominal Drop-Out Voltage 10 - 25% of nominal Pull-In Time 15ms typical Drop-Out Time: Without Suppression 6ms With Suppression¹ 35ms Contact Bounce 3ms typical Insulation Voltage 1000V A.C. (Dielectric Strength) Mechanical Life >1,000,000 operations Electrical Life² (100A at 60V) >100,000 operations Salt Spray Test 48 Hours 30g acceleration; 18mS; half Shock sinusoidal wave form in accordance with IEC60068-2-27 10-500Hz frequency; 5g ac-Vibration celeration; in 3 axes in accordance with IEC60068-2-6 Weight 250gms Note: Figures are at 20°C

¹ Coil Polarity Markings must be Observed

technical@albrightinternational.com

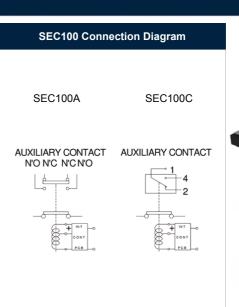
² For further advice, please contact Albright Technical at

Note: Operational characteristics are with new contacts

SEO100 & SEC100 Available Coil Voltages 12V 24V 30V 36V 48V 60V 72V 120V Further Options Available SEO100 & SEC100 Part Numbering SEO100A-60_SF Bracket Coil Suppression Fitted (optional) Coil Driver¹ Rated Coil Voltage Auxiliary (Optional) Rated Current Configuration Type

Suffix will depend on coil driver option chosen (C.I.M or D)

¹ Coil Polarity markings must be observed



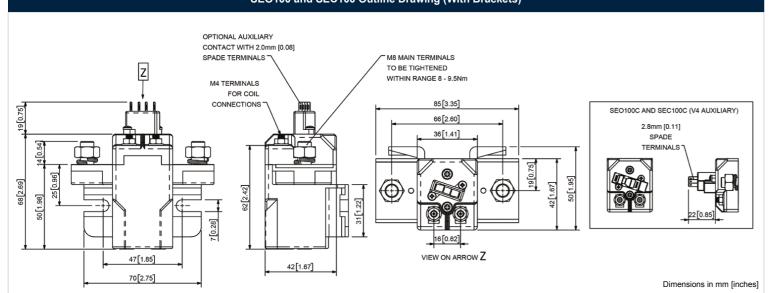


SEO100 & SEC100 Options	Note	Suffix
Configuration	Normally Open	0
	Normally Closed	C
Auxiliary	Form Z	A
	Form C (V4)	C
Coil Suppression ¹	Diode or PCB (Dual Coil)	S
Brackets	Please refer to Drawing for Options	F1
Note: Silver Plating is provided as standard, I	but can be removed at the option of the custor	ner. Please consult our

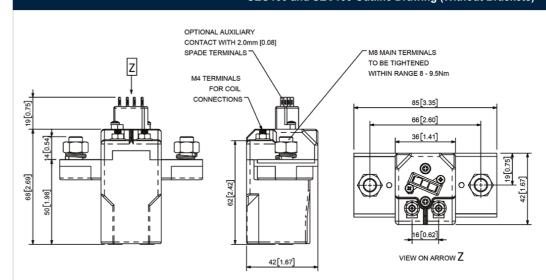
SEC100 Coil Driver		
Description	Watts	Suffix
Dual Coil ¹	Starting: up to 100W	D
	Holding: 3W	D
¹ Coil Polarity Markings must be Observed		

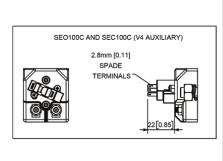
SE100A

SEO100 and SEC100	Outline Drawing	(With Brackets)
	outilite bluming	(TTILLI DIGORCES)



SEO100 and SEC100 Outline Drawing (Without Brackets)





Dimensions in mm [inches]



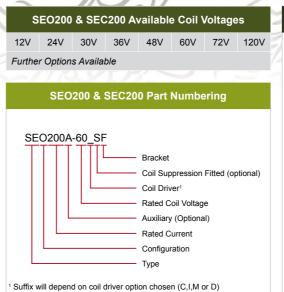
*SEC*200



SEO200 Coil Driver		
Description Watts Suffix		
Standard - operates as conventional CO coil	7 - 13W	С
Intermittent	15 - 20W	I
Magnetic Latching ¹	15 - 20W	М
Dual Coil ¹	Starting: up to 200W	D
Duai Coii	Holding: 5W	D
¹ Coil Polarity Markings must be Observed		

Connection Diagram SEO200C SEO200A AUXILIARY CONTACT AUXILIARY CONTACT N'C N'O N'O N'C Conventional or Magnetic Latching AUXILIARY CONTACT N'C N'O N'O N'C AUXILIARY CONTACT Dual Coil Coil Polarity markings must be observed for Magnetic Latching and Dual Coil options, or when suppression fitted.

Continuous Current Rating (¹ th) Configuration:	200A
•	
050000	
SEO200	Normally Open
SEC200	Normally Closed
Pole	Single
Throw	Single
Ambient Temperature	- 40°C to + 70°C
Main Contact Rated Voltage	Up to 60V D.C.
mV Drop	30mV at 100A
Pull-in Voltage	max 66% of nominal
Drop-Out Voltage	10 - 25% of nominal
Pull-In Time	15ms typical
Drop-Out Time:	
Without Suppression	6ms
With Suppression ¹	35ms
Contact Bounce	3ms typical
Insulation Voltage (Dielectric Strength)	1000V A.C.
Mechanical Life	>1,000,000 operations
Electrical Life ² (200A at 60V)	>100,000 operations
Salt Spray Test	48 Hours
Shock	30g acceleration; 18mS; hal sinusoidal wave form in accordance with IEC60068-2-2
Vibration	10-500Hz frequency; 5g acceleration; in 3 axes in accordance with IEC60068-2-6
Weight	490gms
Note: Figures are at 20°C	
¹ Coil Polarity Markings must be ² For further advice, please conta technical@albrightinternational. Note: Operational characteristics	act Albright Technical at com

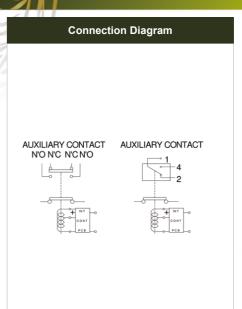


Note

SEO200 & SEC200 Options

Technical Department for further advice.

¹ Coil Polarity markings must be observed



Suffix

TYPE SEZODA AN ONGWALL
AN ONIONAL

			4
Configuration	Normally Open	0	
	Normally Closed	С	
Auxiliary	Form Z	A	
	Form C (V3)	С	
Coil Suppression ¹	Diode or PCB (Dual Coil)	S	Description
Brackets	Please refer to Drawing for Options		
Note: Silver Plating is provided as standard,	but can be removed at the option of the custom	mer. Please consult our	Dual Coil ¹

SE	C200 Coil Driver	
Description	Watts	Suffix
Dual Coil ¹	Starting: up to 200W	D
	Holding: 5W	D
¹ Coil Polarity Markin	gs must be Observed	

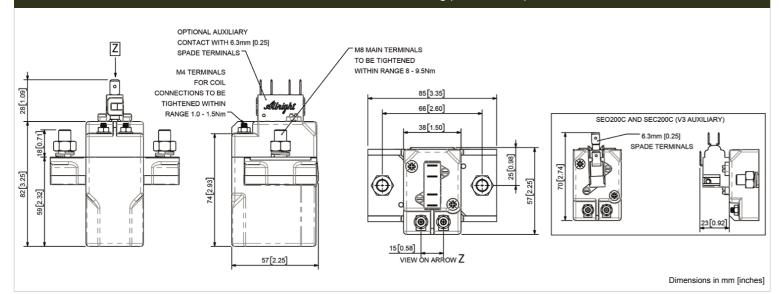
SE200A

SEO200 and SEC200 O	utline Drawing	(With Brackets)
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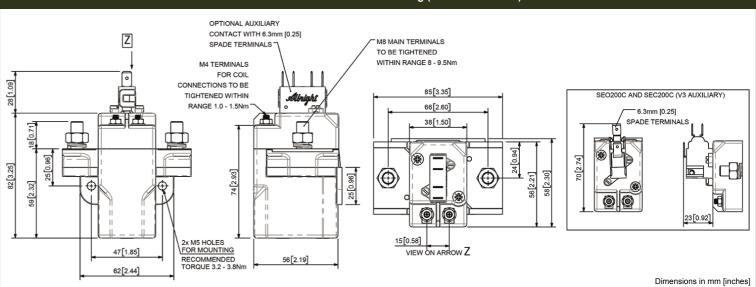
For Magnetic Latching coils:

Supply positive to coil '+' to close switch

Supply positive to coil '-' to open switch



SEO200 and SEC200 Outline Drawing (Without Brackets)







*SEC*400 400 Amps

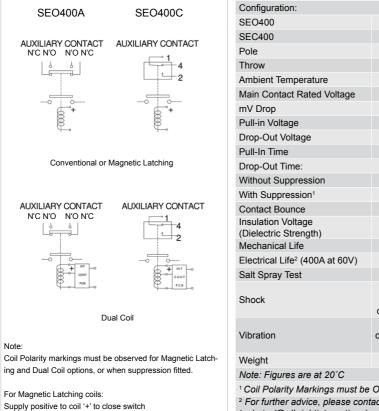
Single Pole Single Throw **Normally Closed**

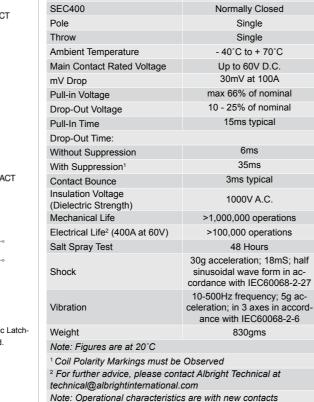


SEO400 Coil Driver			
Description Watts Suf			
Standard - operates as conventional CO coil	10 - 15W	С	
Intermittent	30 - 40W	I	
Magnetic Latching ¹	30 - 40W	М	
Dual Coil ¹	Starting: up to 330W	D	
Duai Coli.	Holding: 6W	D	
¹ Coil Polarity Markings must be Observed			

SE400

Connection Diagram SEO400C SEO400A AUXILIARY CONTACT AUXILIARY CONTACT N'C N'O N'O N'C Conventional or Magnetic Latching AUXILIARY CONTACT AUXILIARY CONTACT N'C N'O N'O N'C Dual Coil Coil Polarity markings must be observed for Magnetic Latch-



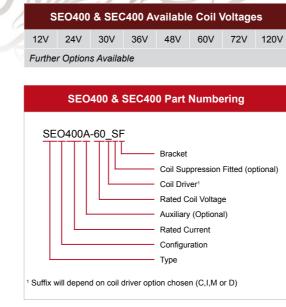


SEO400 & SEC400 Technical Data

400A

Normally Open

Continuous Current Rating (Ith)



Note

Form Z

Form C (V3)

Normally Open

Normally Closed

Diode or PCB (Dual Coil)

Note: Silver Plating is provided as standard, but can be removed at the option of the customer. Please consult our

Please refer to Drawing for Options

SEO400 & SEC400 Options

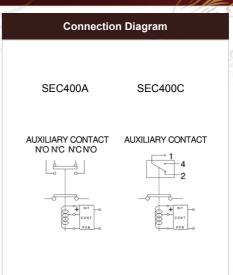
Technical Department for further advice.

Configuration

Coil Suppression¹

Auxiliary

Brackets



Suffix

0

С

С

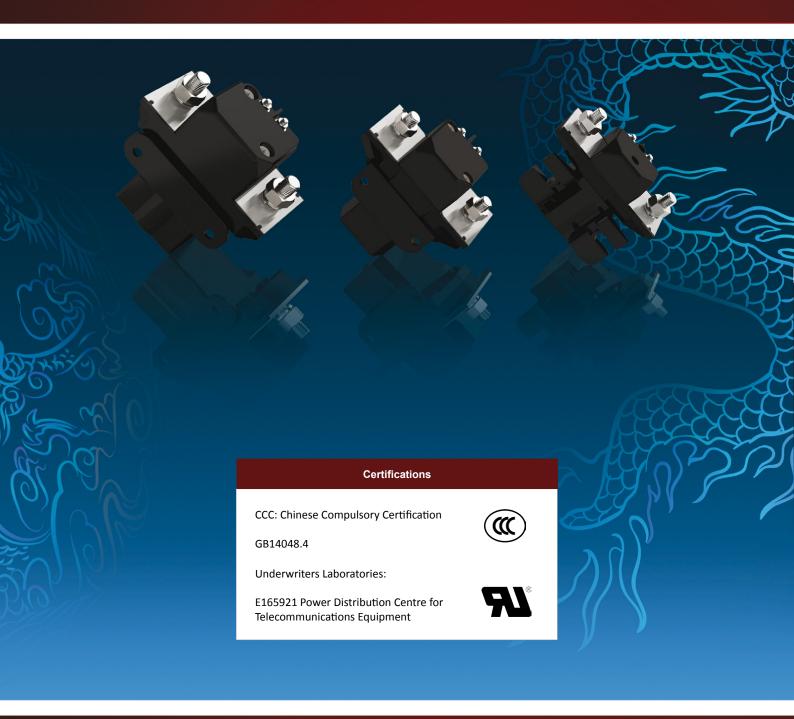
TYPE SEADLA		
	SE400A	
SEC400 Coil Driver		
Description	Watts	Suffix

SEC400 Coil Driver		
Description	Watts	Suffix
Dual Coil ¹	Starting: up to 330W	D
	Holding: 6W	
¹ Coil Polarity Marking	s must be Observed	

SEO400 and SEC400 Outline Drawing (With Brackets) OPTIONAL AUXILIARY CONTACT WITH 6.3mm [0.25] SPADE TERMINALS M10 MAIN TERMINALS TO BE TIGHTENED M4 TERMINALS WITHIN RANGE 13.4-14.6Nm FOR COIL CONNECTIONS TO BE TIGHTENED WITHIN 105[4.11] SEO400C AND SEC400C (V3 AUXILIARY) 80 [3.15] 6.3mm [0.25] 53[2.07] 72[2.84] 49[1.93] 56[2.21] Dimensions in mm [inches]

Supply positive to coil '-' to open switch

¹ Coil Polarity markings must be observed	¹ Coil Polarity Markings must be Observed	
SEO400 and SEC400 Outline Drawing (Without Brackets)		
OPTIONAL AUXILIARY CONTACT WITH 6.3mm [0.25] SPADE TERMINALS M4 TERMINALS FOR COIL CONNECTIONS TO BE TIGHTENED WITHIN RANGE 13.4-14.6Nm 105[4.11] 80[3.15] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11] 105[4.11]	SEC400C AND SEC400C (V3 AUXILIARY) 60 [2.36] 6.3mm [0.25] SPADE TERMINALS 23 [0.92]	
83[3.25]	Dimensions in mm [inches]	



Please Note:

- Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application.
- Thermal current ratings stated are dependant upon the size of conductor being used
- For further technical advice email: technical@albrightinternational.com Albright reserve the right to change data without prior notice

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