

Application	Interrupted	Uninterrupted	-
Thermal Current Rating (^I th)	150A	200A	
Intermittent Current Rating:			
30% Duty	275A	365A	
40% Duty	235A	315A	
50% Duty	210A	285A	
60% Duty	195A	260A	
70% Duty	180A	240A	
Rated Fault Current Breaking Capa (in accordance with UL583*)	acity (¹ cn) 5ms Tin	ne Constant:	
SW190	1000A at 80V	200A at 96V	
SW190B	600A at 120V	300A at 120V	
Maximum Recommended Contact	Voltages (U _e):		
(Both Poles in same circuit) SW190	96V D.C.		
SW190B	250V D.C.		
Typical Voltage Drop per pole acros			
Normally Open	40mV		
Mechanical M.T.B.F	>5 x 10 ⁶		
Coil Voltage Available (U _S) (Rectifier board required for A.C.)	From 6 to 240V D.C.		
Coil Power Dissipation:	_		
Highly Intermittent Rated Types	40 - 5	40 - 50 Watts	
Intermittently Rated types	30 - 4	30 - 40 Watts	
Prolonged Rated Types	15 - 3	15 - 30 Watts	
Continuously Rated Types	10 - 15 Watts		
Maximum Pull-In Voltage (Coil at 2	0° C) Guideline:		
Highly Intermittent Rated types (Max 25% Duty Cycle)	60% U _s		
Intermittently Rated types (Max 70% Duty Cycle)	60% U _s		
Prolonged Operation (Max 90% Duty Cycle)	60% U _s		
Continuously Rated Types 100% Duty Cycle)	66% U _S		
Drop-Out Voltage Range	10 - 25% U _S		
Typical Pull-In Time N/O Contacts to Close):	30)ms	
Typical Drop-Out Time (N/O Contact	cts to Open):		
Without Suppression	8ms		
With Diode Suppression	60ms		
Nith Diode and Resistor (Subject to resistance value)	25ms		
Typical Contact Bounce Period	3ms		
Operating Ambient Temperature	- 40°C t	to + 60°C	
Guideline Contactor Weight:	_		
SW190	760	760 gms	
With Auxiliary	+ 20 gms		
With Blowouts		gms	WW
Auxiliary			
Auxiliary Thermal Current Rating		5A	
Auxiliary Contact Switching Cap			
SW190C		190A	
5A at 24 2A at 48			
0.5A at 24			
		ous Current	
Advised Connection Sizes for Ma Copper busbar		[0.20inch ²]	
Copper busbar Cable		e for Application	
	nterrupted	ppilodioli	
Note: Where applicable values sho			
values sile	2. 3 41 20 0		

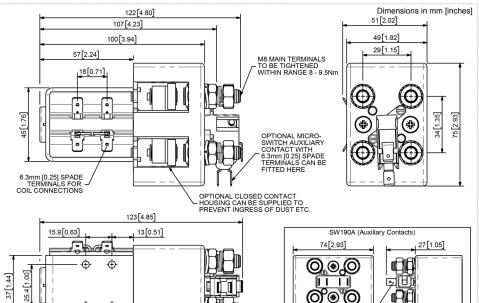
The SW190 has been designed for direct current loads, including motors as used on electric vehicles such as industrial trucks. Developed for both interrupted and uninterrupted loads, the SW190 is suitable for switching Resistive, Capacitive and Inductive loads.

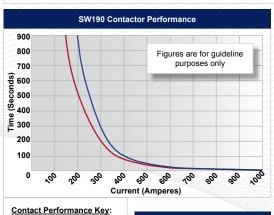
- Interrupted current opening and closing on load with frequent switching (results in increased contact resistance).
- Uninterrupted current no or infrequent load switching requirements (maintains a lower contact resistance).

The SW190 features double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW190 has M8 stud main terminals and 6.3mm spade coil connections. It can be mounted via M5 tapped holes or mounting brackets; either supplied fitted, or as separate items. Mounting can be horizontal or vertical, when vertical the M8 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.



SW190

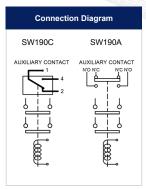




M5 MOUNTING HOLES (4 OFF PER SIDE)

- Interrupted Current

Uninterrupted Current



SW190 Available Options				
General		Suffix		
Auxiliary Contacts	0	Α		
Auxiliary Contacts - V3	0	С		
Magnetic Blowouts†	0	В		
Magnetic Blowouts - High Powered†	0	В		
Armature Cap	•			
Mounting Brackets (See Stud Contactor Series Catalogue)	0			
Magnetic Latching† (Not fail safe)	0	М		
Closed Contact Housing [‡]	0			
Environmentally Protected IP66	X			
EE Type (Steel Shroud)	0	EE		
Contacts				
Large Tips	0	L		
Textured Tips	0	Т		
Silver Plating	X			
Coil				
AC Rectifier Board (Fitted)	0			
Coil Suppression [†]	0			
Flying Leads	0	F		
Manual Override Operation	0			
M4 Stud Terminals	Χ			
M5 Terminal Board	0			
Vacuum Impregnation	0			
Key: Optional ○ Standard • N	lot Availa	ble X		
† Connections become polarity sensitive				

6.3mm [0.25] SPADE TERMINALS

[‡] Open Housing Available

- 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