

Application	Interrupted	Uninterrupted	
Thermal Current Rating (Ith)	100A	125A	
Intermittent Current Rating:			
30% Duty	185A	230A 🗸	
40% Duty	160A	200A	
50% Duty	140A	175A	
60% Duty	130A	160A	
70% Duty	120A	150A	
Rated Fault Current Breaking Capa			
(in accordance with UL583*)		ne conclant.	
SW80	800A	at 48V	
SW80B	800A	at 80V	
Rated Fault Current Breaking Capa	city ( <sup>/</sup> cn) Resistiv	ve Load:	
(in accordance with UL508*)	4004 =4	00V/D 0	
SW80		60V D.C.	
SW80B		96V D.C.	
Maximum Recommended Contact \	_		
SW80	48V D.C.	60V D.C.	
SW80B	96V	D.C.	
Typical Voltage Drop per pole across New Contacts at 100A	40	)mV	
Mechanical M.T.B.F	>5	x 10 <sup>6</sup>	
Coil Voltage Available (U <sub>s</sub> )			
(Rectifier board required for A.C.)	From 6 to	240V D.C.	
Coil Power Dissipation:			
Highly Intermittent Rated Types	20 - 3	0 Watts	
Intermittently Rated types	15 - 2	0 Watts	
Prolonged Rated Types	13 - 1	5 Watts	
Continuously Rated Types	7 - 13	3 Watts	
Maximum Pull-In Voltage (Coil at 20	)° C) Guideline:		
Highly Intermittent Rated types	609	24.11	
Max 25% Duty Cycle)	007	60% U <sub>S</sub>	
ntermittently Rated types Max 70% Duty Cycle)	609	% U <sub>S</sub>	
Prolonged Operation	609	% U <sub>s</sub>	
(Max 90% Duty Cycle)	00,	70 O <sub>S</sub>	
Continuously Rated Types (100% Duty Cycle)	66% U <sub>S</sub>		
Drop-Out Voltage Range	10 - 25% U <sub>S</sub>		
Typical Pull-In Time		20ms	
Typical Drop-Out Time (N/O Contact	ets to Open):		
Without Suppression	5ms		
With Diode Suppression		)ms	
With Diode and Resistor	<b>7</b>		
(Subject to resistance value)	8 - 20ms		
Typical Contact Bounce Period	3	ms	
Operating Ambient Temperature	- 40°C t	to + 60°C	
Guideline Contactor Weight:			
SW80	350 gms		
Nith Auxiliary	+ 20	gms	
With Blowouts	+ 50	gms	
With blowous		y gins	
Auxiliary Thermal Current Rating  Auxiliary Contact Switching Capa		ve Load):	
SW80A	<del>1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -</del>	/80C	
5A at 24			
2A at 48			
0.5A at 24			
U.5A at 24			
	ximum Continu		
Advised Connection Sizes for Ma	20 63	L TZ/UnchZI 4	
Advised Connection Sizes for Ma Copper busbar	80mm² [0	_	
Advised Connection Sizes for Ma Copper busbar Cable	Rated suitable	e for Application	
Advised Connection Sizes for Ma Copper busbar	Rated suitable	_	

Performance data provided should be used as a guide only. Son from figures may be necessary according to application. Thermal current ratings stated are dependant upon the size of c For further technical advice email: technical@albrightinternation Albright reserve the right to change data without prior notice

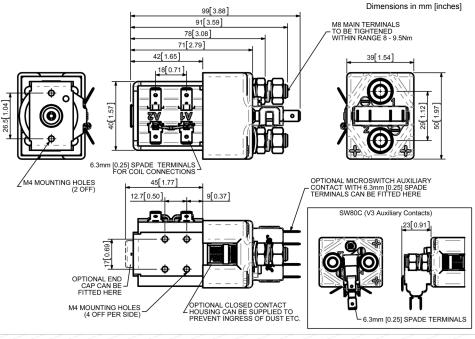
The SW80 has been designed for direct current loads, including motors as used on electric vehicles such as industrial trucks, and telecom and power distribution applications. Developed for both interrupted and uninterrupted loads, the SW80 is suitable for switching Resistive, Capacitive and Inductive loads.

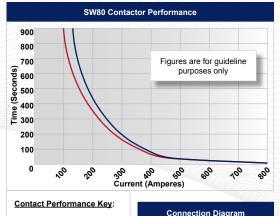
- Interrupted current opening and closing on load with frequent switching (results in increased contact resistance).
- Uninterrupted current no or infrequent load switching requirements (maintains a lower contact resistance).

The SW80 features single pole double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW80 has M8 stud main terminals and 6.3mm spade coil connections. Mounting is via M4 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.



SW80A





tact Performance Key:  — Interrupted Current  — Uninterrupted Current			
	Connection Diagram		
	SW80A SW80C		
	AUXILIARY CONTACT AUXILIARY CONTACT		
me de-rating or variation	+		

SW80 Available Options					
General		Suffix			
Auxiliary Contacts	0	Α			
Auxiliary Contacts - V3	0	С			
Magnetic Blowouts†	0	В			
Magnetic Blowouts - High Powered <sup>†</sup>	0	В			
Armature Cap	0				
Mounting Brackets (See Stud Series Catalogue)	0				
Magnetic Latching† (Not fail safe)	0	М			
Closed Contact Housing <sup>‡</sup>	0				
Environmentally Protected IP66 (see SW80P Catalogue sheet)	0	Р			
EE Type (Steel Shroud)	0	EE			
Contacts					
Large Tips	0	L			
Textured Tips	0	T			
Silver Plating	Х				
Coil					
AC Rectifier Board (Fitted)	0				
Coil Suppression <sup>†</sup>	0				
Flying Leads	0	F			
Manual Override Operation	0				
M4 Stud Terminals	X				
M5 Terminal Board	0				
Vacuum Impregnation	0				
Key: Optional ○ Standard •	ndard   Not Available X				
† Connections become polarity sensitive					

<sup>‡</sup> Open Housing Available