

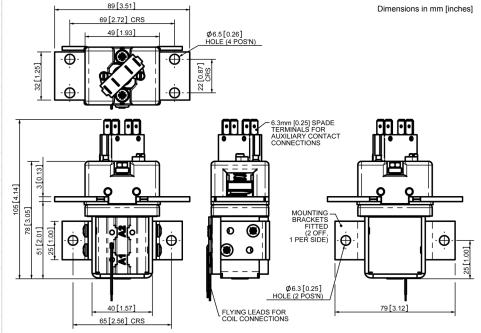
The SW140 has been specifically designed to be installed within the confines of a Power Distribution System 1U rack. This compact busbar mounted contactor follows the recognised design of the SW150 series of contactors and is devised for uninterrupted loads. They are primarily for use with direct current loads but can be used for alternating current loads.

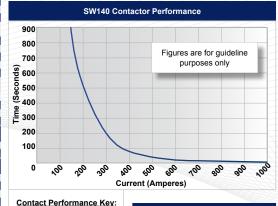
Uninterrupted current - no or infrequent load switching requirements (maintains a lower contact resistance).

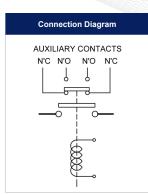
Uninterrupted current	
Application	Uninterrupted
Thermal Current Rating (Ith)	140A
ntermittent Current Rating:	
30% Duty	255A
10% Duty	220A
50% Duty	200A
60% Duty	180A
70% Duty	165A
Rated Fault Current Breaking Capa (in accordance with UL508*)	
SW140	210A at 60V D.C.
Maximum Recommended Contact \	
SW140	60V D.C.
Гурісаl Voltage Drop per pole across New Contacts at 100A	< 40mV
Mechanical M.T.B.F	>1 x 10 ⁶
Coil Voltage Available (U _S)	From 6 to 240V D.C.
Coil Power Dissipation:	
Highly Intermittent Rated Types	20 - 30 Watts
ntermittently Rated Types	15 - 20 Watts
Prolonged Rated Types	13- 15 Watts
Continuously Rated Types	7 - 13 Watts
Maximum Pull-In Voltage (Coil at 20	0° C) Guideline:
Highly Intermittent Rated types Max 25% Duty Cycle)	60% U _S
ntermittently 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
Orop-Out Voltage Range	10 - 25% U _S
Гурісаl Pull-In Time	15ms
Typical Drop-Out Time (N/O Contact	cts to Open):
Without Suppression	5ms
With Diode Suppression	50ms
Nith Diode and Resistor (Subject to resistance value)	8 - 20ms
Typical Contact Bounce Period	< 5ms
Operating Ambient Temperature	- 40°C to + 60°C
Guideline Contactor Weight:	
SW140	440 gms
Nith Auxiliary	+ 20 gms
Auxiliary	Details
Auxiliary Thermal Current Rating	5A
Auxiliary contact switching capac	cities (Resistive Load):
	5A at 24V D.C.
	2A at 48V D.C.
	0.5A at 240V D.C.
Advised Connection Sizes for Ma	ximum Continuous Current
Copper busbar	90mm ² [0.14inch ²]

The SW140 features single pole double breaking main contacts with silver alloy tips which are weld resistant, hard wearing and have excellent conductivity. Silver plating on the main contacts is standard for the SW140, however optionally it can be excluded from the specification. Mounting can either be horizontal or vertical, but if mounted vertically, the coil should be at the bottom. If the coil is required at the top, we can adjust the contactor to compensate for this. The SW140 is easy to install, with "L" Shape Mounting bracket kits fitted as a standard option, or alternatively the M4 tapped holes in the switch frame can be used. To suit the limitations of space of a 1U rack, the coil connections are supplied as flying leads.









Auxiliary Contacts	U	^	
Auxiliary Contacts - V3	X		
Magnetic Blowouts	Χ		
Magnetic Blowouts - High Powered [†]	X		
Armature Cap	Х		
Mounting Brackets (fitted as standard)	0		
Magnetic Latching† (Not fail safe)	0	M	
Closed Contact Housing	Χ		
Environmentally Protected IP66	X		
EE Type (Steel Shroud)	Χ		
Contacts			
Large Tips	X		
Textured Tips	Χ		
Silver Plating (fitted as standard)	0		
Coil			
AC Rectifier Board (Fitted)	Χ		
Coil Suppression [†]	0		
Flying Leads	•	F	
Manual Override Operation	0		
M4 Stud Terminals	X		
M5 Terminal Board	X		
Vacuum Impregnation			
Key: Optional ○ Standard • N	Not Availa	ble X	
† Connections become polarity sensitive			

SW140 Available Options

General

Auxiliary Contacts

- 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

Note: Where applicable values shown are at 20°C * Please check our web site for product UL status

Uninterrupted

Current

Suffix