

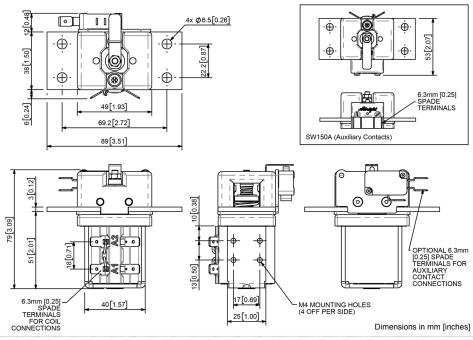
The SW150 is designed for use in telecommunications and power distribution applications where an uninterrupted current load is switched. These contactors are primarily for use with Direct Current loads but can also be used with Alternating Currents.

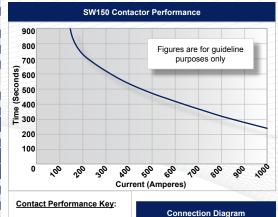
Uninterrupted current - no or infrequent load switching requirements (maintains a lower contact resistance).

| Thermal Current Rating (Ith) Intermittent Current Rating: 30% Duty 40% Duty 50% Duty 60% Duty 70% Duty Rated Fault Current Breaking Capacity (Icr (in accordance with UL508*) SW150 Maximum Recommended Contact Voltage: SW150 Typical Voltage Drop per pole across New Contacts at 100A Mechanical Durability Coil Voltage Available (Us) (Rectifier board required for A.C.) Froil Power Dissipation: Highly Intermittent Rated Types Intermittently Rated types Prolonged Rated Types Continuously Rated Types Maximum Pull-In Voltage (Coil at 20° C) Gu Highly Intermittent Rated types (Max 25% Duty Cycle) Intermittently Rated types (Max 70% Duty Cycle) Prolonged Operation (Max 90% Duty Cycle) Drop-Out Voltage Range Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to O) Without Suppression With Diode and Resistor (Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature Guideline Contactor Weight: | 225A at 60V D.C. s (Ue): 60V D.C. < 50mV >1 x 10° Cycles om 6 to 240V A.C./D.C. 20 - 30 Watts 15 - 20 Watts 13 - 15 Watts 7 - 13 Watts |
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| 30% Duty 40% Duty 40% Duty 50% Duty 60% Duty 70% Duty Rated Fault Current Breaking Capacity (Icr (in accordance with UL508*) SW150 Maximum Recommended Contact Voltage: SW150 Typical Voltage Drop per pole across New Contacts at 100A Mechanical Durability Coil Voltage Available (Us) (Rectifier board required for A.C.) From the coil Voltage Available (Us) (Rectifier board required for A.C.) Coil Power Dissipation: Highly Intermittent Rated Types Intermittently Rated Types Continuously Rated Types Maximum Pull-In Voltage (Coil at 20° C) Grown Common Com | 235A 210A 195A 180A 180A 1 Resistive Load: 225A at 60V D.C. < 50mV >1 x 10 ⁶ Cycles om 6 to 240V A.C./D.C. 20 - 30 Watts 15 - 20 Watts 13 - 15 Watts 7 - 13 Watts 7 - 13 Watts 4 color by Colo |
| 40% Duty 50% Duty 60% Duty 60% Duty 70% Duty Rated Fault Current Breaking Capacity (Icr (in accordance with UL508*) SW150 Maximum Recommended Contact Voltage: SW150 Typical Voltage Drop per pole across New Contacts at 100A Mechanical Durability Coil Voltage Available (Us) (Rectifier board required for A.C.) Coil Power Dissipation: Highly Intermittent Rated Types Intermittently Rated Types Continuously Rated Types Continuously Rated Types Maximum Pull-In Voltage (Coil at 20° C) Gt Highly Intermittent Rated types (Max 25% Duty Cycle) Intermittently Rated types (Max 70% Duty Cycle) Prolonged Operation (Max 90% Duty Cycle) Continuously Rated Types (100% Duty Cycle) Drop-Out Voltage Range Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to Operation Of Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | 235A 210A 195A 180A 180A 1 Resistive Load: 225A at 60V D.C. < 50mV >1 x 10 ⁶ Cycles om 6 to 240V A.C./D.C. 20 - 30 Watts 15 - 20 Watts 13 - 15 Watts 7 - 13 Watts 7 - 13 Watts 4 color by Colo |
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| across New Contacts at 100A Mechanical Durability Coil Voltage Available (Us) (Rectifier board required for A.C.) Fro Coil Power Dissipation: Highly Intermittent Rated Types Intermittently Rated types Prolonged Rated Types Continuously Rated Types Maximum Pull-In Voltage (Coil at 20° C) Go Highly Intermittent Rated types (Max 25% Duty Cycle) Intermittently Rated types (Max 70% Duty Cycle) Prolonged Operation (Max 90% Duty Cycle) Continuously Rated Types (100% Duty Cycle) Drop-Out Voltage Range Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to Operating Ambient Temperature Typical Contact Bounce Period Operating Ambient Temperature | >1 x 10° Cycles om 6 to 240V A.C./D.C. 20 - 30 Watts 15 - 20 Watts 13 - 15 Watts 7 - 13 Watts 4:0deline: 60% U _S 60% U _S |
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| Max 70% Duty Cycle) Prolonged Operation Max 90% Duty Cycle) Continuously Rated Types 100% Duty Cycle) Drop-Out Voltage Range Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to Operation of the Cycle) With Diode Suppression With Diode and Resistor Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | 60% U _S |
| Max 90% Duty Cycle) Continuously Rated Types 100% Duty Cycle) Drop-Out Voltage Range Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to O) Without Suppression With Diode Suppression With Diode and Resistor Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | _ |
| 100% Duty Cycle) Drop-Out Voltage Range Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to Operation of the Contacts to Operation of the Contacts of Operation of the Contacts of Operating Ambient Temperature | 66% U _s |
| Typical Pull-In Time Typical Drop-Out Time (N/O Contacts to Operation of Nithout Suppression With Diode Suppression With Diode and Resistor (Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | |
| Typical Drop-Out Time (N/O Contacts to Operating Ambient England Project Time (N/O Contacts to Operating Ambient England Project Time (N/O Contacts to Project Time (N/O Contact Bounce Period Operating Ambient Temperature | 10 - 30% U _S |
| Without Suppression With Diode Suppression With Diode and Resistor (Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | 15ms |
| With Diode Suppression With Diode and Resistor (Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | pen): |
| Nith Diode and Resistor Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | 6ms |
| (Subject to resistance value) Typical Contact Bounce Period Operating Ambient Temperature | 35ms |
| Operating Ambient Temperature | 5 - 20ms |
| | < 5ms |
| | - 40°C to + 60°C |
| SW150 | 410 gms |
| With Auxiliary | + 20 gms |
| Auxiliary Details | |
| Auxiliary Thermal Current Rating | 5A |
| Auxiliary Contact Switching Capabilities | (Resistive Load): |
| SW150C | SW150A |
| 5A at 24V D.C. | |
| 2A at 48V D.C. | |
| 0.5A at 240V D.C | |
| Advised Connection Sizes for Maximum | Continuous Current |
| Copper busbar | 114mm² [0.177inch²] |
| Cable Rate | ed suitable for Application |
| Key: = Uninterrupted | |
| Note: Where applicable values shown are | at 20°C |

The SW150 features 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 SW150, however optionally it can be excluded from the specification. The SW150 is a compact contactor which can be busbar mounted vertically or horizontally, 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. For further information on the full busbar range of contactors refer to our busbar series catalogue.







| 2A at 48V D.C. | | Contact Performance Key: | | |
|---|---|--|-------------------|-----------------------------------|
| 0.5A at 240V D.C. | | | Connection | on Diagram |
| d Connection Sizes for Maximum Continuous Current | | Uninterrupted Current | SW150C | SW150A |
| busbar | 114mm² [0.177inch²] | Current | | AUVILLABY CONTACT |
| | Rated suitable for Application | | AUXILIARY CONTACT | AUXILIARY CONTACT N'O N'C N'C N'O |
| = Uninterrupted | | | 4 | الجا |
| here applicable values show | vn are at 20°C | | | |
| e check our web site for prod | luct UL status | | | |
| from figures may be nec Thermal current ratings For further technical adv | led should be used as a guide or essary according to application. stated are dependant upon the s rice email: technical@albrightint t to change data without prior no | ize of conductor being used ernational.com | | |

| ramary contacto | | • • • |
|--|-----|-------|
| Auxiliary Contacts - V3 | 0 | С |
| Magnetic Blowouts† | X | |
| Magnetic Blowouts - High Powered [†] | X | |
| Armature Cap | X | |
| Mounting Brackets (see Busbar Series Catalogue) | 0 | |
| Magnetic Latching† (Not fail safe) | 0 | M |
| Closed Contact Housing | X | |
| Environmentally Protected IP66 | X | |
| EE Type (Steel Shroud) | X | |
| Contacts | | |
| Large Tips | X | |
| Textured Tips | 0 | Т |
| Silver Plating (fitted as standard) | 0 | |
| | | |
| Coil | | |
| Coil AC Rectifier Board (Fitted) | 0 | |
| | 0 | |
| AC Rectifier Board (Fitted) | - | F |
| AC Rectifier Board (Fitted) Coil Suppression [†] | 0 | F |
| AC Rectifier Board (Fitted) Coil Suppression [†] Flying Leads | 0 | F |
| AC Rectifier Board (Fitted) Coil Suppression [†] Flying Leads Manual Override Operation | 0 0 | F |

Key: Optional ○ Standard • Not Available X

† Connections become polarity sensitive

SW150 Available Options

General

Auxiliary Contacts

Suffix