

ED Series		
Current	Configuration	Type
80	Single Pole On/Off	ED80
125	Single Pole On/Off	ED125
150	Single Pole On/Off	ED150
250	Single Pole On/Off	ED250
250	Double Pole On/Off	ED252
300	Single Pole On/Off	ED300
400	Double Pole On/Off	ED402
500	Double Pole On/Off	ED520
1200	Single Pole Single Throw On/Off	ED1200
1800	Single Pole Single Throw On/Off	ED1800

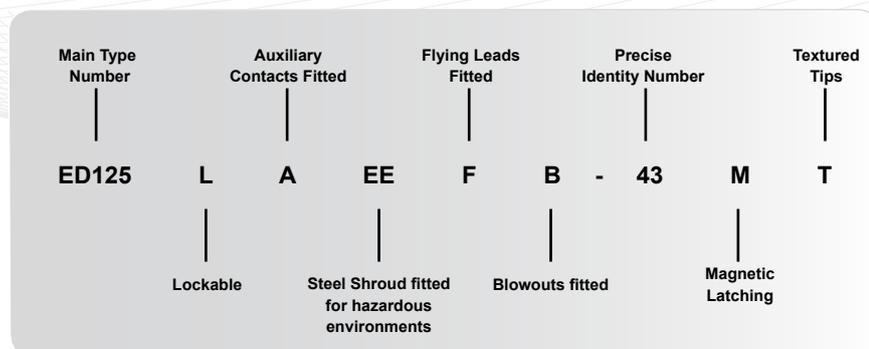
Introducing the Emergency/Combined Disconnect Series

A unique series of heavy duty Emergency/Combined Disconnects designed to provide a rapid means of disconnecting batteries or other power supplies in the event of serious electrical faults.

These are primarily used with battery powered vehicles they are also suitable for use with static power systems. All types are capable of safely rupturing full load battery currents in the event of an emergency.

Albright Emergency/Combined Disconnect Switch Part Number

Our Emergency/Combined Disconnect switch series is divided into types based on thermal current specification which are comprised of switches grouped according to their configuration. The part number is completed by a precise identity number and the specification of the switch indicated by a letter suffix. The diagram below details the options and associated suffixes which are relevant to the Emergency/Combined Disconnect switch series.



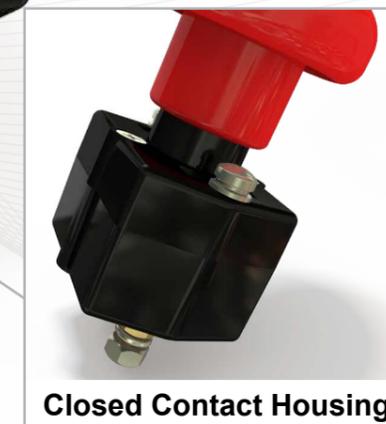
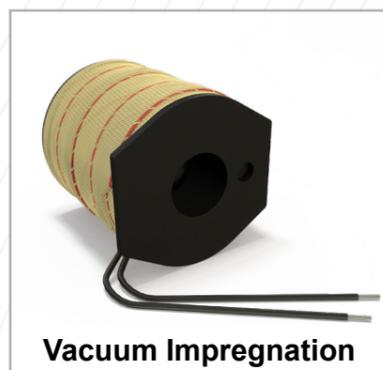
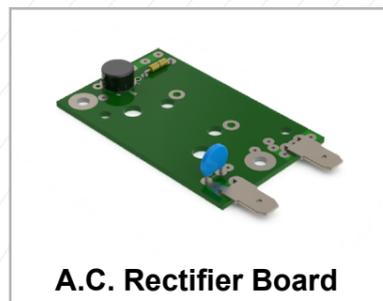
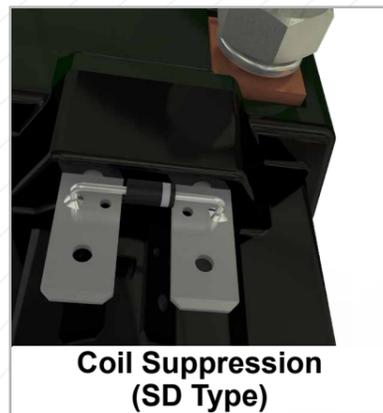
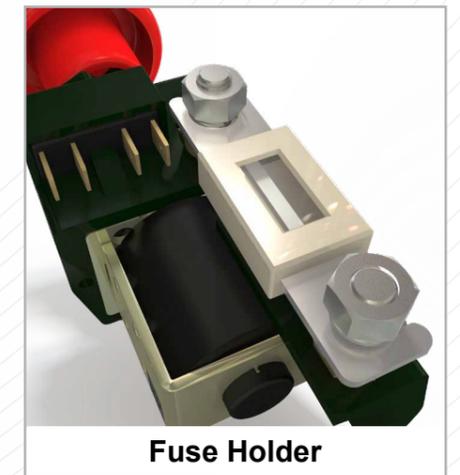
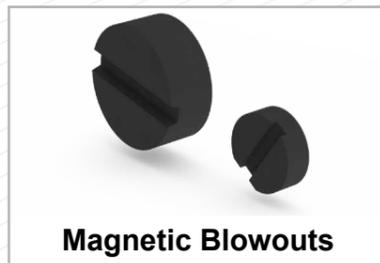
Note: Not all options are available for every type, please see table on page 4 for details.

SD Series		
Current	Configuration	Type
125	Single Pole On/Off with Manual Disconnect	SD150
200	Single Pole On/Off with Manual Disconnect	SD200
250	Single Pole On/Off with Manual Disconnect	SD250
300	Single Pole On/Off with Manual Disconnect	SD300



Emergency/Combined Disconnect Options

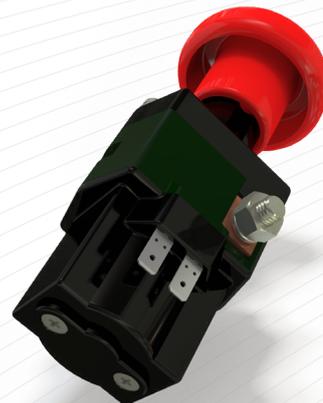
The options featured are available for the Emergency/Combined Disconnect devices. For full descriptions, please refer to our Product Range catalogue or web site glossary.



Please refer to the Summary of Options table on page 4 for available options for each type

Operating Coils for Combined Disconnects (SDs Only)

Coil voltages ranging from 6 to 240v are available which are wound for D.C. operation. However, the majority of coils can be fitted with a bridge rectifier for use with A.C. supplies. Coils are wound with pull-in voltages (coils at 20°C) approximately 66% of the rated voltage (Continuous) or 60% (Prolonged, Intermittent or Very Intermittent), and drop-out voltage nominally greater than 10% of the rated voltage. Variations from these pull-in and drop-out figures can be engineered to suit particular applications.



Coil Ratings Terminology

Continuous (CO):

- 100% duty cycle. Continuous operation. Weakest power coil dictating that a weaker, when compared to the intermittent equivalent, return spring is used. This does not give the best switching characteristics for applications switching frequently on load.

Prolonged (PO):

- Up to 90% duty cycle, up to 54 minutes continuous energisation. Coil is more powerful than continuous, weaker than intermittent equivalent. The return spring is stronger than continuous but weaker than intermittent.

Intermittent (INT):

- Up to 70% duty cycle, up to 15 minutes continuous energisation. High power in coil allowing strong return spring to be used, giving good switching characteristics. Typically this rating is used with magnetic latching contactors.

Highly Intermittent (HO):

- Up to 25% duty cycle, up to 3 minutes continuous energisation. Highest power in coil allowing strongest return spring to be used, giving good switching characteristics.

Summary of Options Available

ED Types

Contactor Type	General Options						Contact Options	
	Auxiliary Contacts 'A'	Magnetic Blowouts 'B'	Closed Contact Housing	Environmentally Protected to IP55 'P'	EE Type (Steel Shroud) 'EE'	Lockable 'L'	Textured Tips 'T'	Silver Plating on Contacts ²
ED80	X	X	●	X	X	X	○	X
ED125	○	○	○	○	X	○	○	X
ED150	○	○	○	○	X	○	○	X
ED250	○	○	○	○	○	○	○	X
ED252	○	○	○	○	X	○	○	X
ED300	○	○	○	○	○	○	○	X
ED402	○	X	X	○	X	○	○	X
ED520	○	X	X	X	X	X	X	○
ED1200	○	X	X	X	X	X	X	○
ED1800	○	X	X	X	X	X	X	○

Key: Optional ○ Standard ● Not Available X

SD Types

Contactor Type	General Options						Contact Options	Coil Options				
	Auxiliary Contacts 'A'	Magnetic Blowouts 'B'	Magnetic Blowouts High Powered 'B'	Closed Contact Housing	Magnetic Latching ¹	Lockable 'L'	Textured Tips 'T'	AC Rectifier Board	Coil Suppression	Flying Leads 'F'	M5 Terminal Board	Vacuum Impregnation
SD150	○	○	X	○	X	○	X	X	○	X	X	○
SD200	○	○	○	○	○	X	○	○	○	○	○	○
SD250	○	○	X	○	X	○	○	X	○	X	X	○
SD300	○	○	○	○	○	X	○	○	○	○	○	○

Key: Optional ○ Standard ● Not Available X

¹ Coil connection becomes polarity sensitive, ² Fitted as standard