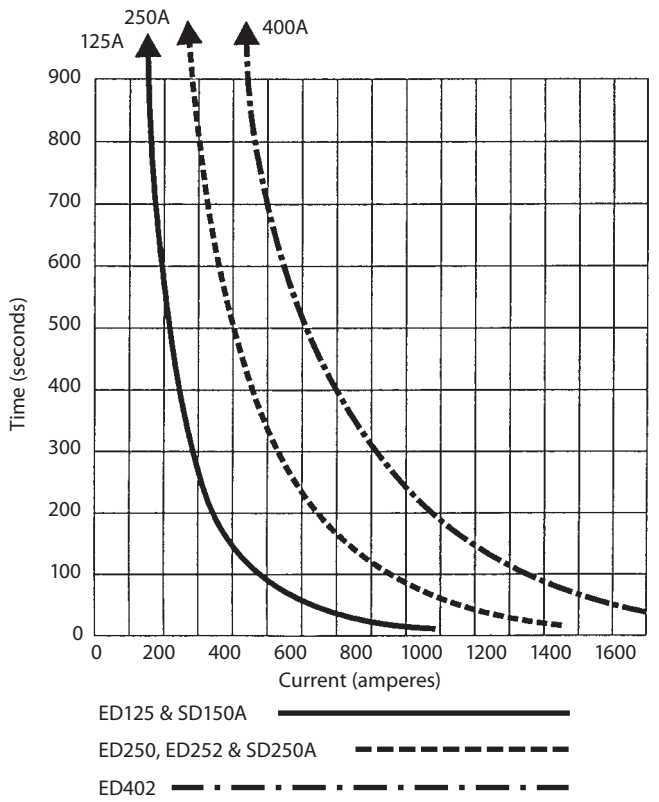
PERFORMANCE DATA FOR ALL SWITCHES

Contact Performance (intermittent ratings)



Weights

Contactor Type No.	Weight (grams)
ED125	300
ED250	450
ED252	520
ED402	1000
SD150A	550
SD250A	870

NOTE: Add 20 grams for additional Auxiliary Contacts.
Add 60 grams for a Lock.
Add 50 grams for Magnetic Blowouts

Max. Recommended Contact Voltages:

ED125, ED250, SD150A & SD250A: 48V DC
ED125B, ED250B, SD150AB & SD250AB: 96V DC
ED252 & ED402 96V DC
ED252B 150V DC

Overload Currents that can be Ruptured

ED125/SD150A: 800 Amperes at 48V DC
ED250/SD250A: 1000 Amperes at 48V DC
ED252: 1500 Amperes at 48V DC
ED402: 1500 Amperes at 48V DC
ED125B/SD150AB: 800 Amperes at 80V DC
ED250B/SD250AB: 1000 Amperes at 96V DC
ED252B: 1500 Amperes at 96V DC
ED402: 1000 Amperes at 96V DC

Typical Voltage Drop across contacts per 100 Amperes (per Pole):

ED125/ED252/SD150A 40mV
ED250/ED402/SD250A 30mV

Mechanical Life:

Manually Operated (All Switches): >10,000
Electrically Operated ("SD" Switches Only): >3,000,000

Coil Power Dissipation:

Continuously Rated Types ("SD" Switches Only):
SD150A: 7 - 13 SD250A: 10 - 15

Maximum Pull-in Voltage (Coil at 20°C):

Continuously Rated Types ("SD" Switches Only): 66%V

Typical Drop-out Voltage:

SD150A & SD250A Only: 10-30%

Typical Pull-in time (n/o contacts to close):

SD150A & SD250A Only: 20ms

Typical Drop-out time (n/o contacts to open):

SD150A & SD250A Only:
Without Suppression: 5 - 10ms
With Diode Suppression: 50 - 100ms
With Diode and Resistor (depending on value): 10 - 50ms

Auxiliary Contact Switching Capacities (Resistive Load):

15 Amperes at 24V DC
10 Amperes at 48V DC
5 Amperes at 96V DC

All of the above figures should be used as a guide only.
Some derating may be necessary according to type and application.

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