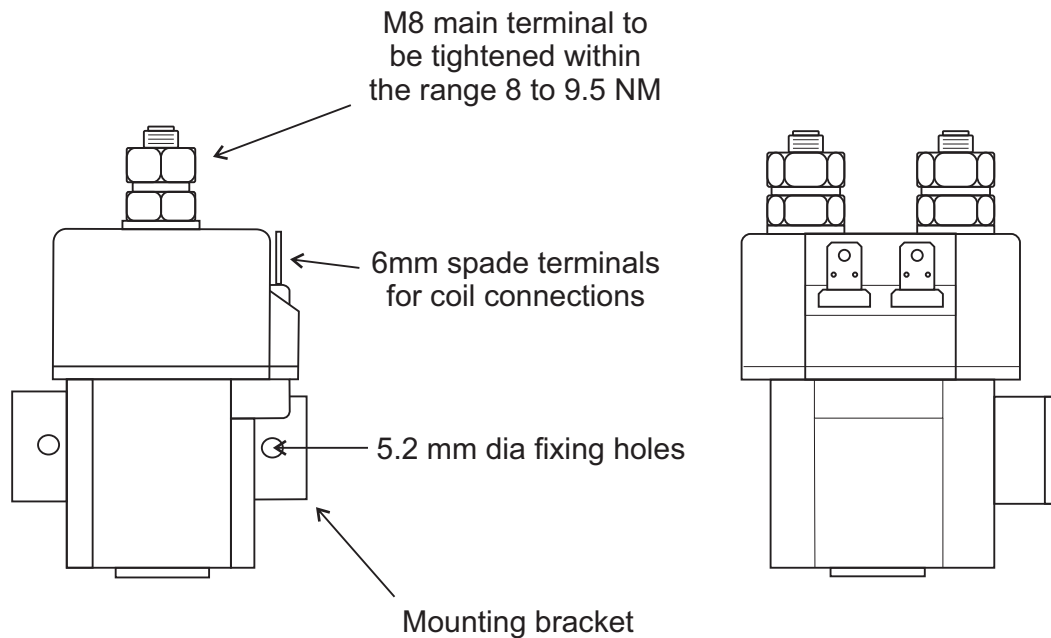


9820 Safety Solenoid 12 Volt
 9821 Safety Solenoid 24 Volt

Lodar Receivers are designed to power these Solenoids and the Solenoids are continuously rated.

The S+ and S- connections on the PCB are specifically for this use. the total current available for other outputs is reduced by 650mA (12Volt) and 350mA (24Volt)



Thermal current Rating(100%): Up to 100 Amps

Reduced Duty Cycle Rating:

30% - 180 Amps

40% - 160 Amps

50% - 150 Amps

60% - 130 Amps

70% - 120 Amps

Typical Inductive Fault Currents that can be ruptured

(5ms time constant): 800 Amps at 48V DC

Max Recommended Contact Voltages: 48V DC

Typical Volts Drop across new contacts: 40mV

Mechanical Life: > 5,000,000

Coil Power Dissipation:

Intermittently Rated Types: 15 - 20 Watts

Continuously Rated Types: 7 - 13 Watts

Max Pull-in Voltage (Coil at 20°C):

Intermittently Rated Types: 60%

Continuously Rated Types: 66%

Typical Drop-out Voltage: 10-25%

Typical Pull-in Time (N/O Contacts to Close): 20ms

Typical Drop-out Time (N/O Contacts to Open):

Without Suppression: 5ms

With Diode Suppression: 50ms

Typical Contact Bounce: 3ms