# WHITE-RODGERS DC PRODUCTS

# **Type 586**

# sealed solenoid

#### **FEATURES**

- · Water resistant
- Double-make or double-break contacts
- · Capable of handling high and low current requirements
- · Black impact phenolic casing

#### **ENGINEERING DATA**

#### **Contacts**

- Pole form-SPNO and SPDT
- Material-silver alloy
- Termination

   <sup>5</sup>/<sub>16</sub>"-24 UNF-2A thread

RATINGS							
	NO		NC				
Volts DC	Cont.	Inrush	Cont.	Inrush			
6	200A	600 A	100A	300 A			
12	200 A	600 A	100 A	300 A			
24 & 36	200 A	600 A	100 A	200 A			

#### Coils

- Voltage–6 VDC through 48 VDC
- Termination-#10-32 UNF-2A thread
- Power (approximate)
  Continuous 12 watts SPDT, 8 watts SPNO
- Connections Coil isolated (two terminals)
- Operate (77°F/25°C)
  67% of nominal coil voltage (intermittent)
  110% max. safe of nominal coil voltage

COIL DATA						
	Resistance in Ohms					
	Intermittent§		Continuous			
Volts DC	SPDT	SPNO	SPDT	SPNO		
6	2.2	3.3	3.3	5.25		
12	8.4	13.2	13.2	21.0		
15	13.1	21.0	21.0	32.8		
18	18.4	30.0	30.0	47.0		
24	33.6	53.0	53.0	84.0		
36	75.6	120.0	120.0	189.0		
48	134.0	213.0	213.0	336.0		

<sup>§</sup> Intermittent—special request only



#### **GENERAL DATA**

### Dielectric Strength

• 500 Volts

#### Temperature Range

• -40°F/-40°C to 149°F/65°C

#### Mechanical Life (no load)

• 100,000 cycles

Electrical Life (rated load—making and breaking

#### 200 amp on NO Contacts)

• 50,000 cycles

#### Mounting Position

 Recommended mounting is vertical plane with coil terminals up

## Weight (approximate)

- SPNO-24.0 oz.
- SPDT-26.0 oz.

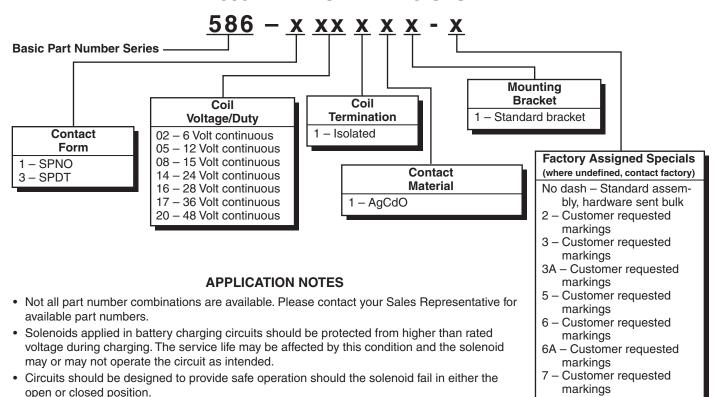
#### **Duty Cycle**

- Continuous
- Intermittent—10 seconds "on" maximum and minimum 60 seconds "off"
   One minute "on" maximum and minimum 6 minutes "off"

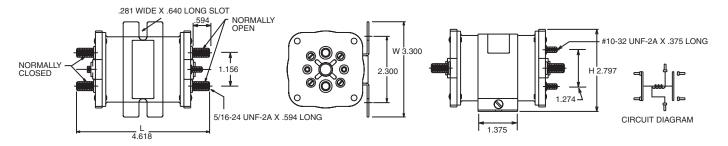
#### Hardware Torque Specification

- Contact Terminal: 60 inch-lbs. max.
- Coil Terminal: 12-18 inch-lbs. max.

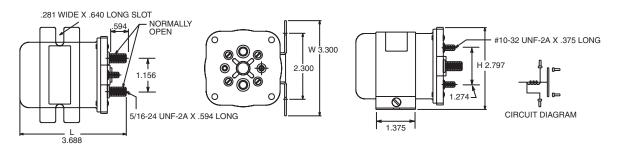
# **TYPE 586 PART NUMBERING SYSTEM**



# SPDT - Isolated Coil



# SPNO - Isolated Coil



# **Mouser Electronics**

**Authorized Distributor** 

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White-Rodgers: 586 317111