

General Specifications

Temperature Rating — -70°C TO + 125°C

Altitude — 300,000 Feet

Shock* —

D

С

В

А

Z, Y, & X Enclosures — 200 g for 6 mS W & M Enclosures (Stud Mtg.) — 100 g for 6 mS

Vibration, Sinusoidal* —

Z, Y, & X Enclosures — 30 g 33-3000Hz W & M Enclosures (Stud Mtg.) — 20 g 33-3000Hz

Vibration, Random* —

Z, Y, & X Enclosures — 0.4 g²/Hz 50-2000Hz W & M Enclosures (Stud Mtg.) — 0.2 g²/Hz 50-2000Hz

Dielectric Strength —

At Sea Level —

All circuits to ground and circuit to circuit — 1250 V rms Coil to ground — 1000 V rms At 80,000 Feet — 350 V rms

Insulation Resistance —

Initial (500 VDC) — 100 M Ω Min. After Life or Environmental Tests — 50 M Ω Min.

Operate Time at Nominal Voltage —

DC Relays — 10 ms or less AC Relays — 15 ms or less

Release Time at Nominal Voltage —

DC Relays — 10 ms or less AC Relays — 50 ms or less

* Max. contact opening under vibration or shock 10 microseconds

Coil Data

Coil Code	Nominal Voltages	Freq. Hz	DC Res. AC Amps (B)	Over Temperature Range			
				Pickup or Below Volts	Dropout or Above Volts	Must Hold Voltage (C)	
1	6	DC	20 Ω	4.5	0.3	2.5	
2	12	DC	80 Ω	9.0	0.75	4.5	
3	28	DC	320 Ω	18.0	1.5	7.0	
4 (A)	28	DC	320 Ω	18.0	1.5	7.0	
5	48	DC	920 Ω	32.0	2.5	14.0	
6	28	400Hz	180 mA	22.0	1.25	10.0	
7	28	50/400Hz	100 mA	22.0	1.25	10.0	
8	115	400 Hz	40 mA	90.0	5.0	40.0	
9	115	50/400 Hz	30 mA	95.0	5.0	40.0	

A. CODE 4 COILS HAVE BACK EMF SUPPRESSION TO 42 VOLTS MAX.
B. DC COIL RESISTANCE ± 10% AT 25°C; AC COIL MAX. CURRENT AT NOMINAL VOLTAGE.
C. RELAY WILL STAY IN PICKED-UP STATE DOWN TO MUST HOLD VOLTAGES SHOWN.

D. MAX. OVERVOLTAGE: 6 & 12 VDC COILS 120% OF NOMINAL; ALL OTHERS 110% OF NOMINAL. E. COILS AVAILABLE FOR OTHER VOLTAGES AND FOR AC 50/60HZ.

NOTE: Only DC Coil Models are QPL Approved.

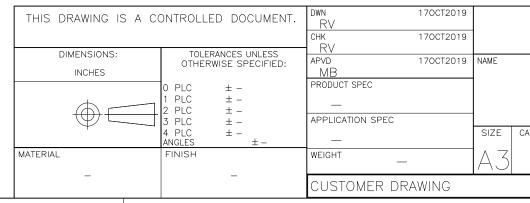


Contact Rating — Amperes Ratings Are Continuous Duty

Type of Load	Life (Min.) Cycles x 10 ³	28 VDC	115VAC 400Hz	115VAC 60Hz*
Resistive	50	25	25	10
Inductive	10	12		10
Inductive	20		15	
Motor	50	10	10	8
Lamp	50	5	5	

*60 Hz loads rated for 10,000 operations

Overload Current — 50 AMPS DC, 80 AMPS 400Hz Rupture Current — 60 AMPS DC, 100 AMPS 400Hz Contact Make Bounce —1 MILLISECOND AT NOMINAL VOLTAGE Max. Contact Drop at 25 Amps — INITIAL 0.150 VOLTS End of Life — 0.175 VOLTS



The Series Fe is a polarized stable design flux from a pe magnet prov armature hole the deactivat its flux path is combined wi in the operate

INITIAL DRAWN

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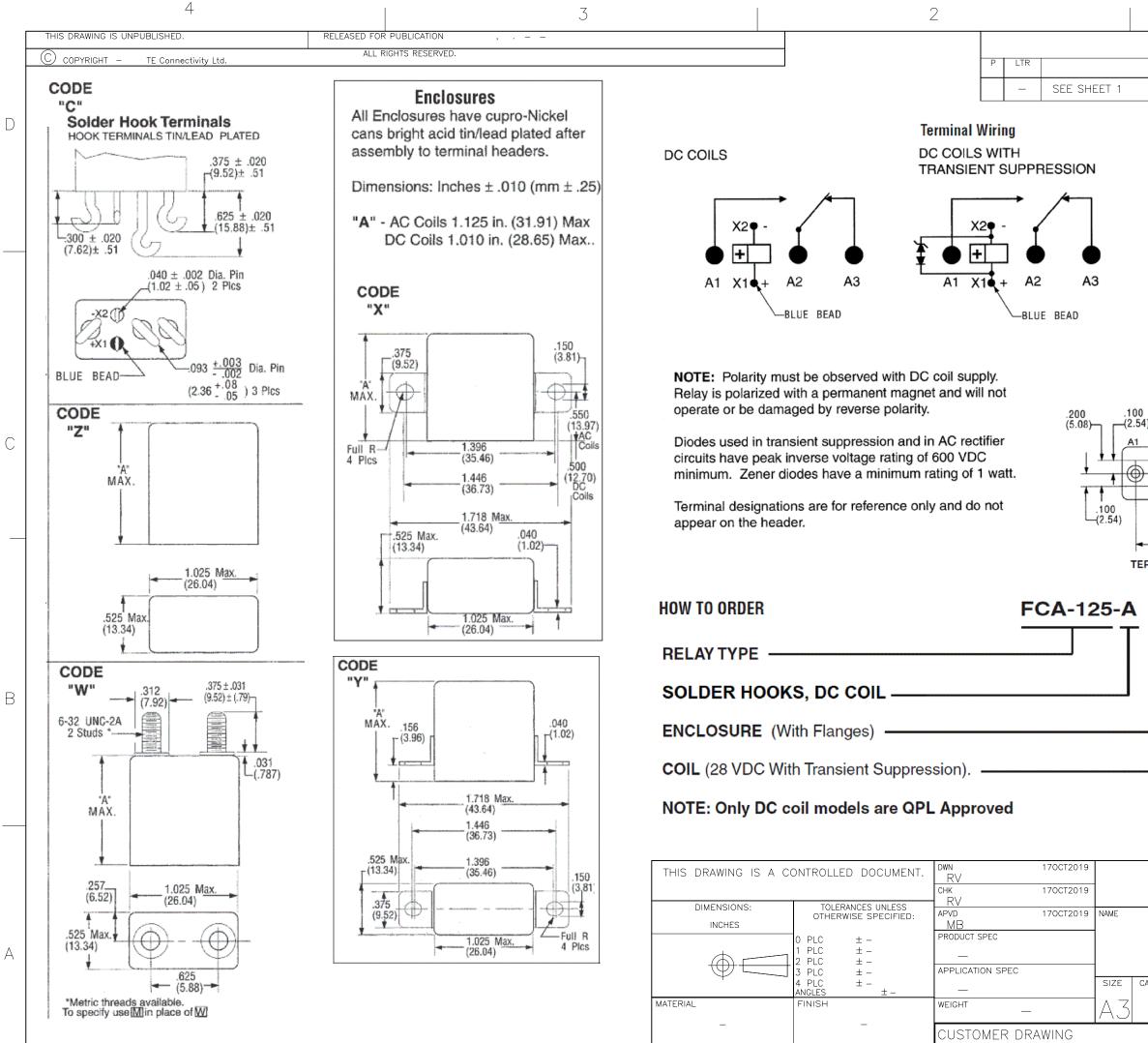
Hermetically Sealed

Product Facts

- All Welded Construction
- Balanced Force
- Permanent Magnet Drive
- Contacts Silver Cadmium Oxide with Gold Plating
- Coils for DC, 50 to 400Hz and 400Hz AC
- Weight 1.6 ounces max. (45.4 grams)
- Qualified to M6106/19, M83536/36, /37

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1470-19 (1/15)

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Mouser Electronics

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