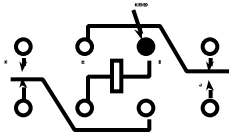


2G

**STANDARD ONE-FIFTH SIZE
HIGH-PERFORMANCE RELAY**

QUALIFIED TO MIL-R-39016/13



FEATURES

- Hermetically sealed
- Up to 2 amps switching
- High shock & vibration ratings
- Flexible terminals
- Optional terminals and mounting styles

ELECTRICAL CHARACTERISTICS

CONTACT ARRANGEMENT

2 Form C (DPDT)

CONTACT MATERIAL

Stationary:
Palladium alloy

Moveable:
Palladium alloy

CONTACT RESISTANCE

Before Life: 50 milliohms max.
(measured at 10 mA @ 6 Vdc)

After Life: 150 milliohms max.
(measured at 2 A @ 28 Vdc)

MECHANICAL LIFE EXPECTANCY

Operations min. 1,000,000

COIL VOLTAGE

5 to 36 Vdc

COIL POWER

1.2 watts max. @ 25°C

DUTY CYCLE

Continuous

PICK-UP VOLTAGE

Approximately 50% of
nominal coil voltage

PICK-UP SENSITIVITY

135 mW

CONTACT RATINGS

CONTACT LOAD	TYPE	OPERATIONS MIN.
2 A @ 28 Vdc	Resistive	50,000
1 A @ 28 Vdc	Resistive	100,000
0.125 A @ 115 Vac 60 & 400 Hz	Resistive	100,000
0.3 A 200 mH @ 28 Vdc	Inductive	100,000
0.1 A @ 28 Vdc	Lamp	100,000
10 µA @ 30mVdc	Low Level	1,000,000

OPERATING CHARACTERISTICS

TIMING

Operate Time: 4.0 ms max.

Release Time: 4.0 ms max.

CONTACT BOUNCE

2.0 ms max.

DIELECTRIC WITHSTANDING VOLTAGE

Between Open Contacts:
750 Vrms 60 Hz

Between Adjacent Contacts:
750 Vrms 60 Hz

Between Contacts & Coil:
500 Vrms 60 Hz

INSULATION RESISTANCE

10,000 megohms min @ 500 Vdc

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE RANGE

-65°C to +125°C

WEIGHT

0.17 oz. (4.82 grams)

VIBRATION RESISTANCE

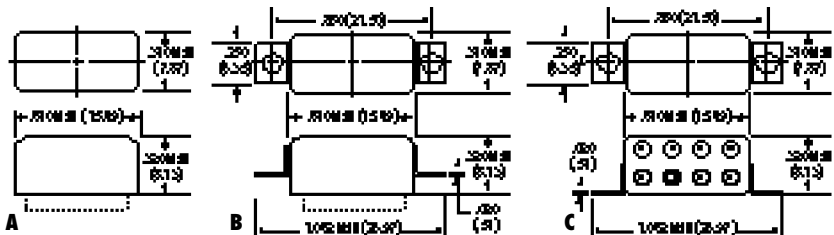
Standard: 30 G's, 10 to 3,000 Hz
QPL: 30 G's, 10 to 3,000 Hz

SHOCK RESISTANCE

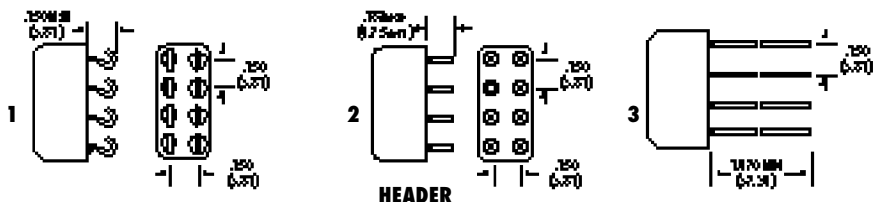
100 G's, 6 ms

QPL APPROVAL

MIL-R-39016/13



ENCLOSURE



STANDARD COIL DATA

NOM. RESISTANCE VOLTAGE (Vdc)	COIL VOLTAGE IN OHMS ±10% @ 25°C	PICKUP VOLTAGE Vdc (MAX.) @ 25°C	PICK-UP VOLTAGE Vdc (MIN.) @ 125°C	DROP-OUT VOLTAGE Vdc (MIN.) @ 25°C	DROP-OUT VOLTAGE Vdc (MIN.) @ -65°C	NOM. COIL POWER (mW) @ 25°C	MAX. COIL VOLTAGE	COIL DESIG.
5.0	44	2.4	3.3	0.26	0.16	568	7	105
6.0	56	2.7	3.8	0.30	0.18	645	8	106
9.0	140	4.4	6.0	0.50	0.30	579	12	109
12.0	210	5.4	7.4	0.60	0.36	686	16	112
18.0	650	9.5	12.8	1.00	0.60	498	24	118
26.5	1,350	13.5	18.0	1.50	0.90	520	35	126
36.0	2,245	17.1	23.0	1.90	1.20	577	46	136

SPECIFYING A PART NUMBER EXAMPLE:

TYPE **MOUNTINGS** **TERMINALS** **COIL**
2G- 1 C- 126

7 RELAYS