

## MEETS THE REQUIREMENTS OF MIL-R-6106

## ENVIRONMENTAL CHARACTERISTICS

TEMPERATUR RANGE $-55^{\circ} \mathrm{C}$ TO $+85^{\circ} \mathrm{C}\left(-67^{\circ} \mathrm{F}\right.$ TO $\left.+185^{\circ} \mathrm{F}\right)$
max. ALTITUDE RATING 50000 FT
SEAL IEC PUBLICATION 529; IP67; 6 FT
SHOCK G-LEVEL (ENERGIZED) ..... 10 G/6 MSEC
VIBRATION (ENERGIZED) ..... 5 G / 10-500 HZ
ACCELERATION ..... 15 G
ELECTRICAL CHARACTERISTICS
MIN. INSULATION RESISTANCE; INITIAL 100 MEGOHMS
AFTER LIFE OR ENVIRONMENTAL ..... 50 MEGOHMS
DIELECTRIC WITHSTANDING VOLTAGE
SEA-LEVEL 1 MINUTE. ..... 1050 VOLTS
mAX. CONTACT DROP INITIAL0.15 VOLTS
AFTER LIFE TEST ..... 0.175 VOLTS
DUTY RATING
50 AMP CONTINUOUS
OVERLOAD 200 AMP FOR 1 SEC., 100 AMP FOR 20 SEC.
ENDURANCE
NOMINAL LOAD RESISTIVE 50000 CYCLES
MECHANICAL 500000 CYCLES
OPERATING CHARACTERISTICS
COIL DATA
VOLTAGE RANGE ..... 18-32 VDC
NOMINAL VOLTAGE ..... 28 VDC
PICK UP VOLTAGE MAX.

$\qquad$
8 VDC FULL TEMP. RANGECOIL RESISTANCE88 OHMS + 10\%
COIL CURRENT MAX ..... 0.4 AMP
drop out voltage max $\leq 6$ VDC FULL TEMP. RANGE
TIME-MILLISECONDS-MAX.,MAKE CONTACT
OPERATE (MAKE TIME) ..... 30
RELEASE WITH SUPPRESSION DIODE ..... 80
WITHOUT SUPPRESSION DIODE ..... 15
BOUNCE .....  8
TIME-MILLISECONDS-MAX, BREAK CONTACT
OPERATE (BREAK TIME) ..... 25
RELEASE WITH SUPPRESSION DIODE ..... 80BOUNCE8
WEIGHT 0.4 KG $=0.88$ POUND MAXWIRE SECTION (AT NOMINAL LOAD)MIN. 6 mm² $^{2}$ /AWG 9

| 1994 | Date | Name | $\underset{\mathrm{mm}}{\stackrel{\mathrm{Inch}}{\longrightarrow}}$ | Scale |
| :---: | :---: | :---: | :---: | :---: |
| Design | 20.10. | S.Paul |  |  |
| Check | 20.10. | Grupp | General Tolerances |  |
| Appro |  |  | DIN 7168 mISO 2768 |  |

Drawing No. $\hat{=}$ Order No.

