

# 200AMP. POWER RELAY (12VDC) ENVIRONMENTALLY SEALED 

## TECHNICAL DATA

## ENVIRONMENTAL CHARACTERISTICS

TEMPERATUR RANGE ........................................................................................ $-40^{\circ} \mathrm{C}$ TO $+85^{\circ} \mathrm{C}\left(-40^{\circ} \mathrm{F}\right.$ TO $\left.+185^{\circ} \mathrm{F}\right)$
MAX. ALTITUDE RATING ................................................................................................................................. 50000 FT
SEAL .........................................................................................................IP67 (6 FEET/0,2 BAR - 1MIN.) I.A.W. IEC 529 IP6K9K (STEAM PRESSURE) DIN 40050 PART 9 AND I.A.W. IEC 529
SHOCK G-LEVEL 6 G / 11 MSEC
VIBRATION 4 G/50-2000 Hz

ELECTRICAL CHARACTERISTICS
MIN. INSULATION RESISTANCE; INITIAL ............................................................................................... 100 MEGOHMS
AFTER LIFE OR ENVIRONMENTAL ........................................................................................................... 50 MEGOHMS
DIELECTRIC WITHSTANDING VOLTAGE SEA-LEVEL 1 MINUTE ............................................................... 1050 VOLTS
MAX.
AFTERLIFE TEST
OVERLOAD ............................................................................................. 1600 AMP FOR 1 SEC., 400 AMP FOR 20 SEC.
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RATED CONTACT LOAD (12 VDC)

| RESISTIVE LOAD | 200000 CYCLES WITH 200 AMP |
| :---: | :---: |
| INDUCTIVE LOAD | ... 40000 CYCLES WITH 50 AMP |
| MOTOR LOAD | . 200000 CYCLES WITH 200 AMP |
| ENDURANCE | 2000000 CYCLES |

OPERATING CHARACTERISTICS
COIL DATA
$\qquad$
VOLTAGE RANGE
9-16 VDC
NOMINAL VOLTAGE ......................................................................................................................................... 12 VDC
PICK UP VOLTAGE MAX. ...................................................................................................... 9 VDC FULL TEMP. RANGE
DROP OUT VOLTAGE MAX. ................................................................................................. $\leq 2$ VDC FULL TEMP. RANGE
COIL RESISTANCE 12 OHMS $\pm 10 \%$
COIL CURRENT APPROX. ..................................................................................................................................... 1 AMP
COIL POWER APPROX. 10 WATT

TIME-MILLISECONDS-MAX.
OPERATE .................................................................................................................................................................. 40
BOUNCE ...................................................................................................................................................................... 5
RELEASE ................................................................................................................................................................... 20
WEIGHT ............................................................................................................................ $0.80 \mathrm{~kg}=1.76$ POUND MAX.
WIRE SECTION (AT NOMINAL LOAD) ................................................................... MIN. $70 \mathrm{~mm}^{2} / 0.109 \mathrm{sq}$. in. / AWG 00
MOUNTING POSITION..................................................................................................................................OPTIONAL

SUBJECT TO CHANGE


