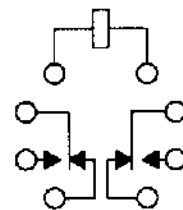


COIL: @ 25°C  
 RESISTANCE 390 OHMS ± 10%  
 NOMINAL VOLTAGE 12.0 VDC  
 MUST OPERATE 7.0 VDC  
 MUST RELEASE 4.0 VDC MAX. 0.63 VDC MIN

ENVIRONMENT:  
 VIBRATION 10 CPS TO 3000 CPS @ 30 g's  
 SHOCK 75 g's 6 MS. DURATION  
 TEMPERATURE -65 °C TO +125 °C

NOTES: OPERATE TIME 2.0 MS MAX.  
RELEASE TIME 1.5 MS MAX.  
CONTACT BOUNCE 1.5 MS MAX.

CUSTOMER DATA SHEET



CONTACT RATING: LOW LEVEL TO 1A  
28 VDC RESISTIVE 100,000 OPERATIONS

DR. R.B. 10/9/97 *ERB* 10/9/97

**COMMUNICATIONS**  
**INSTRUMENTS, INC.**

CUST. QPL  
 CUST. NO. M39016/9-022L

TYPE JMA RELAY

**JMAP-12XL**