

# 300AMP POWER RELAY (28VDC)

Side Mounting Environmentally Sealed Suppression Diode

## TECHNICAL DATA

MEETS THE REQUIREMENTS OF MIL-R-6106

### ENVIRONMENTAL CHARACTERISTICS

TEMPERATUR RANGE.....-55°C TO +74°C (-67°F TO +165°F)  
 MAX. ALTITUDE RATING.....50 000 FT  
 SEAL.....IEC PUBLICATION 529;IP 67;6 FT  
 SHOCK G-LEVEL.....MIL-STD-202, TEST METHOD 213, HALF SINE = 18 MSEC / 30 G  
 VIBRATION.....MIL-STD-202, TEST METHOD 213, TEST CONDITION C = 10 G  
 ACCELERATION.....15 G

### ELECTRICAL CHARACTERISTICS

MIN.INSULATION RESISTANCE;INITIAL.....100 MEGOHMS  
 AFTER LIFE OR ENVIRONMENTAL.....50 MEGOHMS  
 DIELECTRIC WITHSTANDING VOLTAGE SEA-LEVEL 1MINUTE.....1 050 VOLTS  
 ALTITUDE 1MINUTE.....500 VOLTS  
 MAX.CONTACT DROP INITIAL.....0,15 VOLTS  
 AFTER LIFE TEST.....0,175 VOLTS  
 OVERLOAD.....2 400 AMP  
 RUPTURE CURRENT.....3 000 AMP  
 DUTY RATING.....300 AMP CONTINUOUS

### RATED CONTACT LOAD (28 VDC)

RESISTIVE LOAD.....50 000 CYCLES WITH 300 AMP  
 INDUCTIVE LOAD.....10 000 CYCLES WITH 150 AMP  
 MOTOR LOAD.....50 000 CYCLES WITH 300 AMP  
 MECHANICAL LIFE.....100 000 CYCLES WITH 75 AMP

### OPERATING CHARACTERISTICS

#### COIL DATA

VOLTAGE RANGE.....18-32 VDC  
 NOMINAL VOLTAGE.....28 VDC  
 PICK UP VOLTAGE MAX. ....18 VDC FULL TEMP.RANGE  
 RESISTANCE PULL IN COIL.....5.2 OHMS ±20%  
 PULL IN CURRENT MAX.....4 AMP FOR 20 MSEC  
 RESISTANCE HOLDING COIL.....120 OHMS ±10%  
 HOLDING CURRENT MAX.....0,25 AMP  
 DROP OUT VOLTAGE.....≤6 VDC FULL TEMP.RANGE


#### TIME MILLISECONDS-MAX.

OPERATE.....25  
 RELEASE.....80  
 BOUNCE.....5

WEIGHT.....0,63kg = 1.39 POUND MAX.

WIRE SECTION (AT NOMINAL LOAD).....MIN. 95mm<sup>2</sup> / 0.147 sq.in./ AWG 0000

SUBJECT TO CHANGE

	Date	Name	mm	Scale		Drawing No:	<h2>26-56-08</h2>
Drawn	19.01.2012	Seege	General Tolerances			NSN:	
Check	03.02.2012	Grind					