



300AMP. POWER RELAY 28VDC

LIGHT WEIGHT ENVIRONMENTALLY SEALED STUD TERMINAL M8
SIDE MOUNTING AUXILIARY CONTACT

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, TEST CONDITION J = 30 G
 VIBRATION MIL-STD-202, TEST METHOD 204, 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 1 MINUTE 1 050 VOLTS
 ALTITUDE 1 MINUTE 500 VOLTS
 MAX. CONTACT DROP INITIAL 0.15 VOLTS
 AFTER LIFE TEST 0.175 VOLTS
 OVERLOAD 2400 AMP FOR 1 SEC, 900 AMP FOR 10 SEC, 600 AMP FOR 40 SEC
 RUPTURE CURRENT 3000 AMP
 DUTY RATING 300 AMP CONTINUOUS

RATED CONTACT LOAD (28 VDC)

MAIN CONTACT

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

AUXILIARY CONTACT

CONTINUOUS CURRENT 2 AMP
 MAKE AND BREAK 6 AMP

OPERATING CHARACTERISTICS

COIL DATA

VOLTAGE RANGE 18 - 32 VDC
 NOMINAL VOLTAGE 28 VDC
 PICK UP VOLTAGE MAX. 18 VDC FULL TEMP. RANGE
 DROP OUT VOLTAGE MAX. ≤ 6 VDC FULL TEMP. RANGE
 RESISTANCE PULL IN COIL 3.6 OHMS ± 20%
 PULL IN CURRENT MAX. 6 AMP FOR 20 MILLISECONDS
 RESISTANCE HOLDING COIL 145 OHMS ± 10%
 HOLDING CURRENT MAX. 0.25 AMP

TIME-MILLISECONDS-MAX.

OPERATE 20
 RELEASE WITH SUPPRESSION DIODE 80
 WITHOUT SUPPRESSION DIODE 15
 BOUNCE 5

WEIGHT 0.40 KG = 0.882 POUND

WIRE SECTION (AT NOMINAL LOAD) 95 mm² / AWG 000 = 0.132 sq. inch

SUBJECT TO CHANGE

2001	Date	Name	Inch mm	Scale	 Elektrotechnik - GmbH & Co KG D - 72218 Wildberg	Order-No.
Design	21.08.	Bo.				26.55.710 26.55.720
Check	21.08.	<i>gc</i>	General Tolerances			
Appro			ISO 2768			