



| REVISIONS | | RELEASED | |
|-----------|------------------------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | RELEASED TO PROD. FROM REV 4 | 17APR2015 | RSS |

| | |
|---|--|
| CONSTRUCTION MAIN CONTACTS CONFIGURATION | GASKET SEALED |
| VOLTAGE | SPST N.O. (DOUBLE BREAK) |
| CURRENT | 28 VDC |
| RESISTIVE OVERLOAD | 400 AMPS |
| | 450 AMPS FOR 5 MIN. |
| | 1000 AMPS FOR 10 SEC. |
| | 1500 AMPS |
| INRUSH RUPTURE MOTOR | 4000 AMPS |
| | 1875 AMPS FOR 0 TO 5 SEC. |
| | 1700 AMPS FOR 5 TO 10 SEC. |
| | 1500 AMPS FOR 10 TO 15 SEC. |
| | 1200 AMPS FOR 15 TO 20 SEC. |
| | 1000 AMPS FOR 20 TO 25 SEC. |
| | 750 AMPS FOR 25 TO 30 SEC. |
| | 500 AMPS FOR 30 TO 90 SEC. |
| | 150 mV MAX |
| VOLTAGE DROP BOUNCE | 5 mS AT 28 VDC 25°C |
| AUXILIARY CONTACTS CONFIGURATION | 4PDT |
| VOLTAGE | 28 VDC |
| CURRENT | 5 AMPS |
| RESISTIVE INDUCTIVE | 1 AMP |
| BOUNCE | 5 mS AT 28 VDC 25°C |
| SIMULTANEOUS DIELECTRIC WITHSTAND | 10 mS AT 28 VDC 25°C |
| | 1000 Vrms |
| COIL DATA DUTY CYCLE | CONTINUOUS (ELECTRONIC ECONOMIZED) |
| MAX OPERATE VOLTAGE | 32 VDC |
| MAX PICKUP VOLTAGE | 18 VDC MAX |
| DROP OUT VOLTAGE | 9 VDC MAX |
| COIL CURRENT | |
| INRUSH HOLD | 6 AMP MAX AT 28 VDC FOR APPROX. 100 ms |
| PICKUP TIME | 400 mA MAX AT 28 VDC |
| DROP OUT TIME | 25 mS AT 28 VDC 25°C |
| SUPPRESSION | 15 mS AT 28 VDC 25°C |
| | ±42 VOLTS |
| ENVIRONMENTAL DATA GROUND SURVIVABILITY TEMPERATURE | -55 TO 85°C |
| NOMINAL OPERATE TEMP | -55 TO +70°C |
| ALTITUDE | 55,000 FT |
| DECOMPRESSION | 55,000 FT |
| LIFE ELECTRICAL | 50,000 CYCLE MIN. |
| LIFE MECHANICAL | 100,000 CYLCES MIN. |
| WEIGHT MAX | .68 LBS |

| FIND NO | QTY | PART OR IDENTIFYING NO | NOMENCLATURE OR DESCRIPTION | DRAWING OR SPECIFICATION | FSCN NO | TE PART NO | MATERIAL OR NOTE |
|---------|-----|------------------------|-----------------------------|--------------------------|---------|------------|------------------|
| 6 | 2 | 51807-430 | WASHER, BELLEVILLE 1/4 | | | | 6-1616949-6 |
| 5 | 2 | 51703-100 | WASHER 17/64 ID X 9/16 OD | | | | 4-1616945-7 |
| 4 | 1 | 47619-150 | PRIMARY ASSEMBLY | | | | 9-1616986-1 |
| 3 | 2 | 47362-007 | SOCKET CAP TERMINAL SCREW | | | | 1616990-7 |
| 2 | 1 | 44900-022 | SCHEMATIC DIAGRAM | | | | 8-1616986-9 |
| 1 | 1 | 44899-041 | NAME PLATE | | | | 9-1616986-0 |

- NOTES:
1. INSTALLATION TORQUE 1/4-28 UNF-2A - 56 IN-LBS
 2. STATIONARY BUS BARS ARE SILVER PLATED, ASTM B700, TYPE II, GRADE D SEMI BRIGHT CLASS N
 3. CONNECTOR FINISH TO BE ZINC PLATE, YELLOW CHROMATE

DIMENSIONS: INCHES [mm]
TOLERANCES UNLESS OTHERWISE SPECIFIED

| | | |
|-----------|-----------|--------|
| 2 PL DEC. | 3 PL DEC. | ANGLES |
| ±.06 | ±.010 | ± 1° |

DR BY: RSS 11-12-01
CHK BY: NDM 15-04-28
ENGR: RSS 11-12-01
MFG: DWA 15-04-30

SCALE: NONE SHEET 1 OF 1

CONTACTOR SPST N.O. DB
400 AMP, 28 VDC

DWG NO. K4001B8C3

REF TE PN 5-1616986-9

