

**tyco** / **Electronics**

Harrisburg, PA 17105-3608

# CUSTOMER DATA

PART NO.

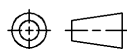
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SHT. 1  
OF 2

|                    |                        |                              |              |
|--------------------|------------------------|------------------------------|--------------|
| DRAWN<br>E.SIMPSON | APPROVAL<br>B. TOEPFER | DATE FIRST_DRAWN<br>05-26-05 | SCALE<br>1:1 |
|--------------------|------------------------|------------------------------|--------------|

CUSTOMER  
TYCO-STANDARD

|           |        |   |     |
|-----------|--------|---|-----|
| TOLERANCE | 0.X    | = | +/- |
| UNLESS    | 0.XX   | = | +/- |
| SPECIFIED | 0.XXX  | = | +/- |
| OTHERWISE | ANGLES | = | +/- |



DO NOT SCALE THIS DRAWING

### CHANGES

| REV. | DATE     | CO              | APP. |
|------|----------|-----------------|------|
|      | 05-26-05 | PRELIMINARY EDS | B.T. |
|      | 08-22-05 | RELEASE EDS     | B.T. |

### ELECTRICAL CHARACTERISTICS: (ALL DATA APPLIES @ 23°C UNLESS OTHERWISE SPECIFIED)

#### COIL DATA:

|                    |                                   |
|--------------------|-----------------------------------|
| NOMINAL VOLTAGE:   | 12 VDC                            |
| OPERATE VOLTAGE:   | 7.8 VDC MAXIMUM                   |
| RELEASE VOLTAGE:   | 1.2 VDC MINIMUM                   |
| COIL RESISTANCE:   | 90 OHMS +/- 10%                   |
| OPERATE TIME:      | 10 mSEC. MAXIMUM EXCLUDING BOUNCE |
| RELEASE TIME:      | 13 mSEC. MAXIMUM EXCLUDING BOUNCE |
| TEMPERATURE RANGE: | OPERATING -40°C TO +85°C          |

#### CONTACT DATA: (CONTACT DATA IS FORMATTED N.O./N.C.)

|                             |  |
|-----------------------------|--|
| CONTACT ARRANGEMENT:        | 1 FORM C (SPDT)  |
| CONTACT MATERIAL:           | AgSnO (SILVER TIN-OXIDE)   |
| CONTACT MILLIVOLT DROP:     | 200mv @ 35A ON N.O. CONTACTS (AFTER SWITCHING)<br>250mv @ 20A ON N.C. CONTACTS (AFTER SWITCHING) |
| MAXIMUM MAKE CURRENT:       | 90A/30A (LAMP) @ 16 VDC  |
| MAXIMUM BREAK CURRENT:      | 40A/30A @ 16 VDC RESISTIVE   |
| MAXIMUM CONTINUOUS CURRENT: | 40A/30A @ 23°C , 35A/20A @ 85°C  |
| INITIAL BREAKDOWN CURRENT   | 500V RMS CONTACTS TO COIL  |

EXPECTED LIFE: 100,000 OPERATIONS, 40 A, 14 VDC RESISTIVE ON NORMALLY OPEN CONTACT

#### MECHANICAL CHARACTERISTICS:

|                |  |
|----------------|--|
| EXPECTED LIFE: | 10 MILLION OPERATIONS, NO CONTACT LOAD |
| TERMINALS      | BRASS, UNPLATED                        |