

**tyco / Electronics**

Harrisburg, PA 17105-3608

# CUSTOMER DATA

PART NO.

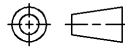
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SHT. 1  
OF 2

DRAWN E.SIMPSON	APPROVAL B. TOEPFER	DATE FIRST_DRAWN 05-26-05	SCALE 1:1
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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	B.T. <sup>EDS</sup>
	08-19-05	RELEASE	B.T. <sup>EDS</sup>

### 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: 8 mSEC. MAXIMUM EXCLUDING BOUNCE  
 RELEASE TIME: 5 mSEC. MAXIMUM EXCLUDING BOUNCE  
 TEMPERATURE RANGE: OPERATING -40°C TO +85°C

#### CONTACT DATA:

CONTACT ARRANGEMENT: 1 FORM A (SPST)  
 CONTACT MATERIAL: AgSnO (SILVER TIN-OXIDE)  
 CONTACT MILLIVOLT DROP: 200mv @ 35A (AFTER SWITCHING)  
 MAXIMUM MAKE CURRENT: 90A (LAMP) @ 16 VDC  
 MAXIMUM BREAK CURRENT: 40A @ 16 VDC RESISTIVE  
 MAXIMUM CONTINUOUS CURRENT: 40A @ 23°C , 35A @ 85°C  
 INITIAL BREAKDOWN CURRENT 500V RMS CONTACTS TO COIL

EXPECTED LIFE: 100,000 OPERATIONS, 40 A, 14 VDC RESISTIVE

#### MECHANICAL CHARACTERISTICS:

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