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: 79.5 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: AgSn0 (SILVER TIN–OXIDE)
CONTACT MILLIVOLT DROP: 200mv @ 35A ON N.O. CONTACTS (AFTER SWITCHING)
                        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
MARKING TO INCLUDE:
TYCO ELECTRONICS NAME, TYCO ELECTRONICS PART NUMBER, SCHEMATIC,
COIL VOLTAGE, COUNTRY OF ORIGIN, AND DATE CODE

* TERMINAL LOCATIONS
APPLY AT THE BASE
OF THE TERMINALS

86
87a
87
85
SCHEMATIC DRAWING
(BOTTOM VIEW)