

# CUSTOMER DATA

PART NO.

VFM-15F41-S01

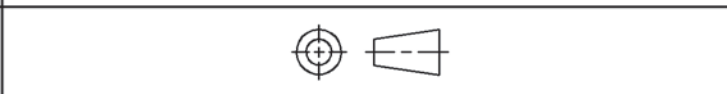
SHT. 1  
OF 2

DRAWN M.BROWN	APPROVAL S.SHANNON	DATE 10-16-02	SCALE 1=1
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CUSTOMER  
TYCO STANDARD

X.XXX = INCHES  
(X.XX) = MILLIMETERS

TOLERANCE UNLESS SPECIFIED OTHERWISE	0.X = +/- .1 0.XX = +/- .01 0.XXX = +/- .003 ANGLES = +/- 1°
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DO NOT SCALE THIS DRAWING

CHANGES			
REV.	DATE	CO	APP.
	10-16-02	RELEASE	MB
	03-21-05	ECO-05-538	EDS C.G.

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

COIL DATA:

NOMINAL VOLTAGE: 12 VDC  
 OPERATE VOLTAGE: 7.2 VDC MAXIMUM  
 RELEASE VOLTAGE: 1.2 VDC MINIMUM  
 EQUIVALENT COIL RESISTANCE: 79.5 OHMS +/- 10%  
 OPERATE TIME: 5 mSEC. TYPICAL (EXCLUDING BOUNCE) WITH RATED COIL VOLTAGE APPLIED  
 RELEASE TIME: 2 mSEC. TYPICAL (EXCLUDING BOUNCE) WITH ZERO VOLTS APPLIED AFTER HAVING BEEN ENERGIZED AT RATED COIL VOLTAGE  
 TEMPERATURE RANGE: STORAGE -40°C TO +155°C  
 OPERATING -40°C TO +85°C  
 OPERATING -40°C TO +125°C (APPLICATION DEPENDENT)

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

CONTACT ARRANGEMENT: 1 FORM C (SPDT)  
 CONTACT MATERIAL: AgSnO<sub>2</sub> (SILVER-TIN OXIDE)  
 CONTACT MILLIVOLT DROP: 200 mV @ 15A MAX. (AFTER SWITCHING)  
 250 mV @ 10A MAX. (AFTER SWITCHING)  
 MAXIMUM MAKE CURRENT: 120A/40A (LAMP) @ 16 VDC  
 MAXIMUM BREAK CURRENT: 30A/15A @ 16 VDC RESISTIVE  
 MAXIMUM CONTINUOUS CURRENT: 20A/10A @ 85°C  
 INITIAL BREAKDOWN CURRENT: 500V RMS CONTACTS TO COIL

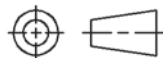
EXPECTED LIFE: 100,000 OPERATIONS, 20 A, 14 VDC RESISTIVE AT 23°C

MECHANICAL CHARACTERISTICS:

EXPECTED LIFE: 10 MILLION OPERATIONS, NO CONTACT LOAD, 20 OPERATIONS PER SECOND MAXIMUM

DRAWN M.BROWN	APPROVAL B.TOEPFER	DATE 10-16-02	SCALE 1=1
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REV-B

MARKING TO INCLUDE:  
MANUFACTURER'S NAME, MANUFACTURER'S PART NUMBER,  
COIL VOLTAGE, CONTACT RATING, SCHEMATIC, COUNTRY OF  
ORIGIN, AND DATE CODE

