

LOC	DIST	REVISIONS				
E	B	P	LTR	DESCRIPTION	DATE	APVD
			—	SEE SHEET 1	—	—

GENERAL SPECIFICATION CLASS 782 HERMETIC

COIL

PULL-IN VOLTAGE:
75% OF NOMINAL VOLTAGE OR LESS FOR DC, 80% OF NOMINAL
OR LESS FOR AC @ 25°C. AMBIENT (COIL WARM AND STABILIZED)
DROPOUT VOLTAGE:
DC - 10% MIN., AC - 30% MIN.
MAXIMUM VOLTAGE:
110%
COIL RESISTANCE:
±15% AC & DC
COIL INSULATION:
CLASS "B" COIL INSULATION SYSTEM (130° C. PER UL STANDARD 1446)
MAXIMUM INTERMITTENT COIL DISSIPATION:
2.0 WATTS DC, 5 MINUTES MAXIMUM AT 25° C.
APPROX. CONTINUOUS (NOMINAL COIL) DISSIPATION:
0.9 WATTS DC, 1.2 VA (60 HZ) AC @ 25° C.
DUTY:
CONTINUOUS

CONTACTS

CONTACT CONFIGURATION:
4PDT / DPDT
CONTACT MATERIAL:
SEE CHART
CONTACT LOAD MIN.:
SEE CHART
CONTACT RATING MAX.:
SEE CHART

TIMING

OPERATE TIME:
13 mS @ NOMINAL VOLTAGE TYPICAL EXCLUDING BOUNCE
RELEASE TIME:
6 mS @ NOMINAL VOLTAGE TYPICAL EXCLUDING BOUNCE

DIELECTRIC STRENGTH

CONTACTS TO COIL:
1240V rms
ACROSS OPEN CONTACTS:
500V rms
CONTACT TO FRAME:
1240V rms
INSULATION RESISTANCE:
100 MEGOHMS MIN. @ 500 VDC

TEMPERATURE

OPERATING:
-45° C. TO +70° C. @ RATED OPERATION
STORAGE:
-60° C. TO +130° C.

VIBRATION RESISTANCE

FUNCTIONAL:
10 TO 55 HZ; 6g's (DOUBLE AMPLITUDE)

SHOCK RESISTANCE

OPERATING:
10 g's (11mS)

LIFE EXPECTANCY

MECHANICAL (NO LOAD):
10 MILLION OPERATIONS (AC & DC)
ELECTRICAL (RATED LOAD):
100,000 OPERATIONS MIN. (AT RATED RESISTIVE LOAD)

MISCELLANEOUS


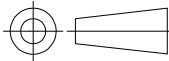
ENCLOSURE:
GRAY PAINTED METAL CAN, HERMETICALLY SEALED.
WEIGHT:
1.6 OZ. (APPROX. 45 G.)

ELECTRICAL SPACING REQUIREMENTS.
1/8" OVER SURFACE FROM CURRENT CARRYING
MEMBERS TO CASE AND 1/16" THRU AIR.

UL APPROVED FOR CLASS 1 DIVISION 2 HAZARDOUS LOCATIONS.

CONTACT MATERIAL & RATINGS TABLE

CONTACT MATERIAL	RESISTIVE CONTACT RATING	
	MINIMUM	MAXIMUM
SILVER	100 mA @ 12VAC/12VDC	3A @ 120VAC/240VAC/30VDC
SILVER CADMIUM OXIDE	500 mA @ 12VAC/12VDC	5A @ 120VAC/240VAC/30VDC
BIFURCATED CROSS BAR GOLD OVERLAY SILVER	DRY CIRCUIT	1A @ 120VAC/240VAC/30VDC
GOLD / SILVER / NICKEL	10 mA @ 12VAC/12VDC	3A @ 120VAC/240VAC/30VDC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN P.bates 21DEC2007	Tyco Electronics Corporation Bideford, UK, EX39 4HE				
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK F.Wheeler-King 18SEP03	 NAME PUSH IN RELAY				
		APVD S.Shackson 18SEP03					
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	PRODUCT SPEC —	SIZE A3	CAGE CODE 00779	DRAWING NO C-1634241	RESTRICTED TO —	
		APPLICATION SPEC —					
MATERIAL —	FINISH —	WEIGHT —	CUSTOMER DRAWING		SCALE NTS	SHEET 3 OF 4	
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