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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
B		REVISED PER ECO-14-000707	20JAN2014	NK	RH

CONVERSION CHART	
INCH	MM
.010	0,25
.020	0,52
.030	0,76
.039	0,99
.040	1,02
.043	1,09
.100	2,54
.169	4,29
.170	4,32
.180	4,57
.189	4,80
.195	4,95
.320	8,13
.360	9,14

PRODUCT MARKING THIS SIDE

PC MOUNT

PC HOLE PATTERN
 TOLERANCES FOR ALL PCB LAYOUT DIMENSIONS TO BE ±.002

MATERIALS;
 CASE: GLASS FILLED HIGH TEMPERATURE POLYESTER.
 BUSHING: GLASS FILLED HIGH TEMPERATURE POLYESTER WITH ELECTROSTATIC DISSIPATIVE CHARACTERISTICS.
 ACTUATOR: NICKEL PLATED COPPER ALLOY.
 MOVABLE CONTACT: GOLD OVER NICKEL OVER COPPER ALLOY.
 STATIONARY CONTACT: GOLD OVER NICKEL OVER COPPER ALLOY.
 TERMINALS: TIN LEAD OVER COPPER ALLOY.
 TERMINAL SEAL: HIGH TEMPERATURE SEALANT.
 ACTUATOR SEAL: O-RING.

ELECTRICAL:
 CONTACT RATING: 0.4 VA @ 20 VDC OR PEAK AC.
 INITIAL CONTACT RESISTANCE: 30 MILLIOHMS MAX.
 INSULATION RESISTANCE: 1,000 MEGOHMS AT 500 VDC MIN.
 DIELECTRIC STRENGTH: 1,000 VOLTS RMS AT SEA LEVEL.
 LIFE EXPECTANCY: 60,000 CYCLES MECHANICAL ACTUATIONS AND 60,000 CYCLES AT 0.4 VA @ 20 VDC OR PEAK AC.

ENVIRONMENTAL:
 OPERATING TEMPERATURE: -22°F TO +185°F (-30°C TO +85°C).
 STORAGE TEMPERATURE: -67°F TO +185°F (-55°C TO +85°C).

QUALITY ASSURANCE:
 ALL CRITICAL DIMENSIONS, (C), MUST BE 1.5Cpk MINIMUM.

1 INTERPRET DRAWING PER ASME Y14.5M-1994.
 2 PKG 100 PCS/BAG, 1 BAG/BOX.

4 TERMINALS SHALL BE TRIMMED TO .039 PRIOR TO APPLICATION OF SEALANT.
 5 "O" RING, WELDS AND SEALS SHALL BE TESTED USING AUGATS STANDARD BUBBLE TEST.
 6 ACTUATION FORCE WITH .169 TOGGLE TO BE DETERMINED.
 7 EACH TERMINAL SHALL WITHSTAND A 6 LBS, PULL FORCE.
 8 EACH TOGGLE SHALL WITHSTAND A 10 LBS, PULL FORCE PUSH TEST TO BE DETERMINED.

10 TERMINAL NUMBERS ARE NOT MARKED ON SWITCH. (FOR REFERENCE ONLY).

11 DIMENSION MEASURED IN CENTER OFF POSITION.

12 DATE CODE: YYMM (YEAR, MONTH)

FUNCTION CHART

THE FOLLOWING FUNCTIONS AVAILABLE IN SINGLE POLE.

OFF INDICATES A MECHANICAL POSITION WITH NO ELECTRICAL CONNECTION.

3 POSITIONS

TERMINALS CONNECTED: 1-2 - 2-3

CIRCUIT TIMING - SPDT CENTER OFF

LEGEND:
 C = CRITICAL DIMENSION
 M = MAJOR DIMENSION
 MN = MINOR DIMENSION
 ST = STATISTICAL PROCESS CONTROLS

CRITICAL DIMS	MAJOR DIMS	LAST USED NO.	DELETED NO'S.	ST NO'S.
1,2,3,4,7,9		16		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KIRAN HOLAL 11SEP2013		
DIMENSIONS: INCHES		CHK OTT PETER 11SEP2013		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD OTT PETER 11SEP2013	NAME OUTLINE DRAWING TST71218	
0 PLC ± -		PRODUCT SPEC	SIZE A2	
1 PLC ± -		APPLICATION SPEC	CAGE CODE 00779	
2 PLC ± -			DRAWING NO 4-1437564-1	
3 PLC ± .010			RESTRICTED TO	
4 PLC ± -			SCALE 1:1	
ANGLES ± 1°			SHEET 1 of 1	
FINISH		WEIGHT -	REV B	
MATERIAL		CUSTOMER DRAWING		

1471-9 (3/11)

4-1437564-1

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