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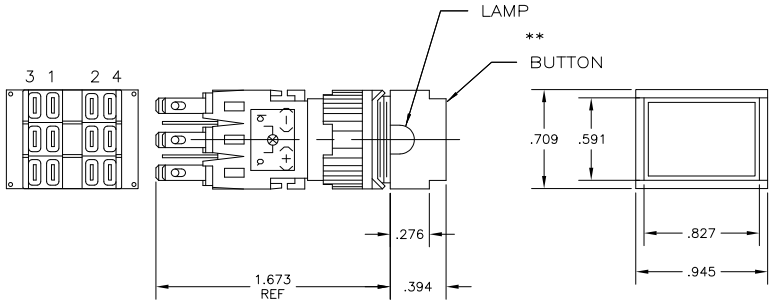
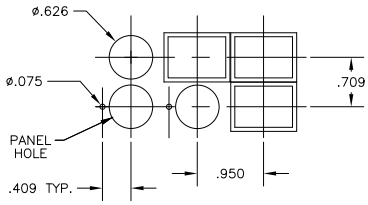
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	REVISED PER ECO-10-000290	07JAN11	HMR	MW





RECOMMENDED
HOLE LAYOUT
TOLERANCE +/-.002

SPECIFICATIONS:

MATERIALS:
MOVING CONTACT:COPPER ALLOY, GOLD PLATE OVER SILVER CLAD.
FIXED CONTACT: COPPER ALLOY, GOLD PLATE OVER SILVER CLAD.

ELECTRICAL:
CONTACT RATING:.04VA @ 20VDC OR PEAK AC.
5 AMPS @ 250VAC OR 24VDC (RESISTIVE).
INITIAL CONTACT RESISTANCE: 20 MILLIOHMS MAX.
INSULATION RESISTANCE: 100 MEGOHMS MINIMUM.
DIELECTRIC STRENGTH: 1500 VOLTS RMS @ SEA LEVEL.
LIFE EXPECTANCY: 100,000 CYCLES.

ENVIRONMENTAL:
OPERATING TEMPERATURE:-4°F TO +122°F (-20°C TO +50°C)
STORAGE TEMPERATURE:-4°F TO +122°F (-20°C TO +50°C)

1 INTERPRET DRAWING PER ASME Y14.5M-1994.

2 OILTIGHT MODELS MEET NEMA 1, 12, 13 REQUIREMENTS.

3 UL RECOGNIZED E-51302.

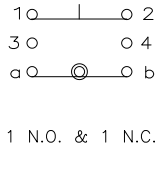
4 PANEL THICKNESS: NON-OILTIGHT = 0.230 MAX.
OILTIGHT = 0.210 MAX.

** ORDER BUTTON AND LAMP SEPARATELY: SEE DWG NO. 80810 & 80811

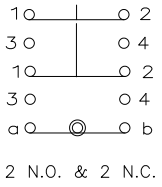
△5 THE PLATINGS CONTAINED IN THIS PART SHALL CONTAIN NO LEAD.

△6 PRELIMINARY PART

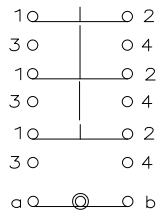
	TE PART No.	MODEL NON OILTIGHT	MODEL OILTIGHT	CONTACTS	ACTION
△6 △5	1571545-5		165TL511	1 N.O. & N.C.	PUSH ON/PUSH OFF
△6 △5	1571545-4		165TL11	1 N.O. & N.C.	MOMENTARY
△6 △5	1571545-3	164TL522		2 N.O. & N.C.	PUSH ON/PUSH OFF
△6 △5	1571545-2	164TL22		2 N.O. & N.C.	MOMENTARY
△6 △5	1571545-1	164TL11		1 N.O. & N.C.	MOMENTARY
	5-1437569-8		165TL533	3 N.O. & N.C.	PUSH ON/PUSH OFF
	5-1437569-7		165TL522	2 N.O. & N.C.	PUSH ON/PUSH OFF
	5-1437569-6		165TL511	1 N.O. & N.C.	PUSH ON/PUSH OFF
			165TL33	3 N.O. & N.C.	MOMENTARY
	5-1437569-5		165TL22	2 N.O. & N.C.	MOMENTARY
	5-1437569-4		165TL11	1 N.O. & N.C.	MOMENTARY
	147521-1		165TL	-	MOMENTARY
	4-1437569-0	164TL533		3 N.O. & N.C.	PUSH ON/PUSH OFF
	3-1437569-9	164TL522		2 N.O. & N.C.	PUSH ON/PUSH OFF
	3-1437569-8	164TL511		1 N.O. & N.C.	PUSH ON/PUSH OFF
	3-1437569-7	164TL5		-	PUSH ON/PUSH OFF
	3-1437569-6	164TL33		3 N.O. & N.C.	MOMENTARY
	3-1437569-5	164TL22		2 N.O. & N.C.	MOMENTARY
	3-1437569-4	164TL11		1 N.O. & N.C.	MOMENTARY
	3-1437569-3	164TL		-	MOMENTARY



1 N.O. & 1 N.C.



2 N.O. & 2 N.C.



3 N.O. & 3 N.C.
WAS 80865

CONTACT DIAGRAM
(BUTTON NOT DEPRESSED)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .010
4 PLC ± -
ANGLES ± -

MATERIAL -
FINISH -

DWN	LM	2-23-89
CHK	TH	3-22-89
APVD	CF	3-22-89
PRODUCT SPEC	-	
APPLICATION SPEC	-	
WEIGHT	-	

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME: 164/165 TL SERIES ILLUMINATED PUSHBUTTON

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-3-1437569-4	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 1 | REV A1

3-1437569-4

1471-9 (1/08)

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