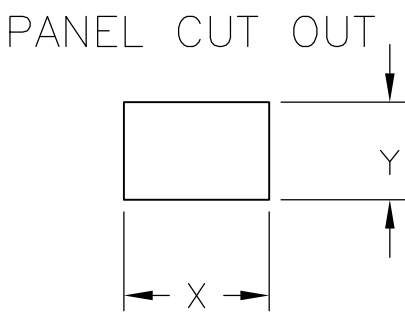
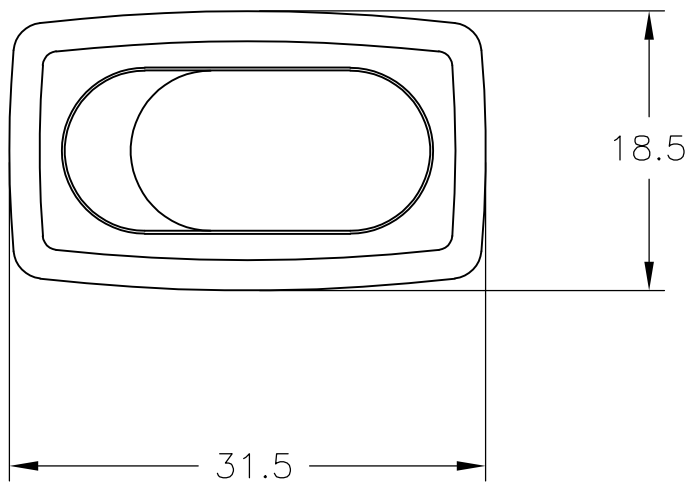


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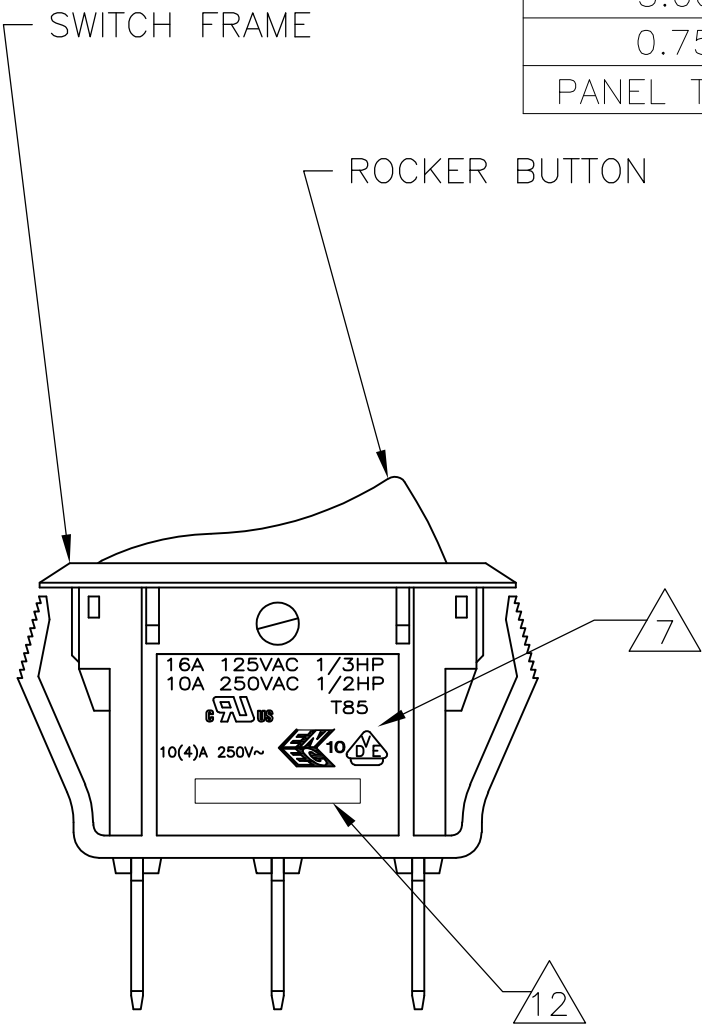
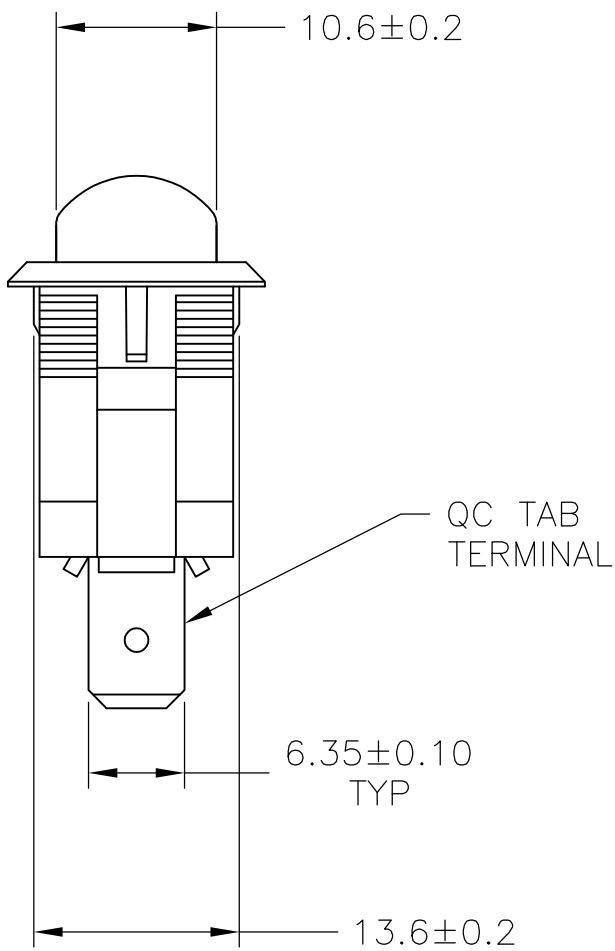
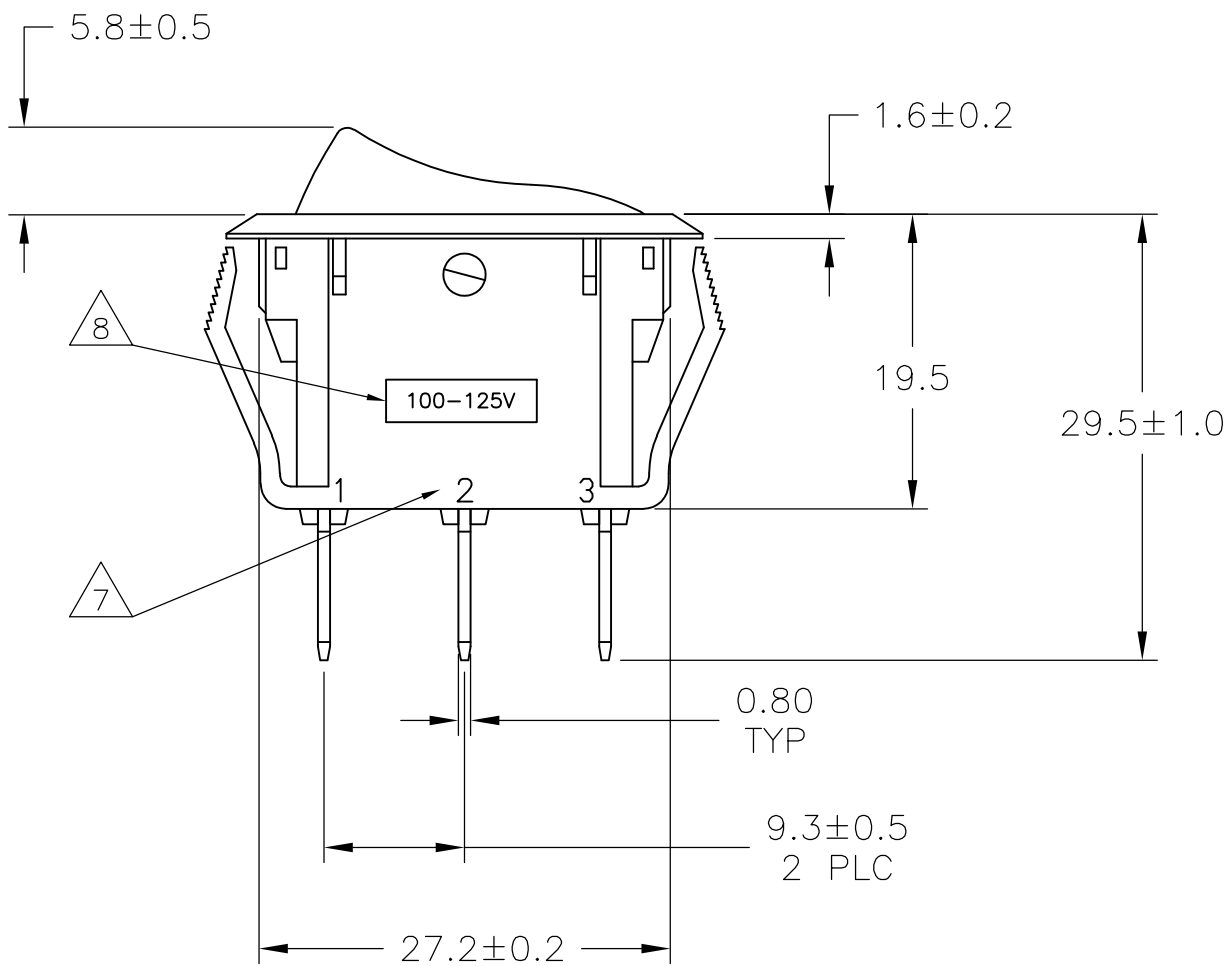
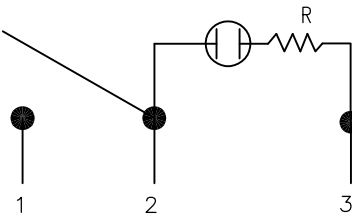
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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		F2	REVISED PER ECO-10-005254	17MAR10	HMR	NE



4.00-5.00	28.0-0.1	13.8+0.1
3.00-4.00	27.8-0.1	13.8+0.1
0.75-3.00	27.6-0.1	13.8+0.1
PANEL THICKNESS	X	Y

SWITCH FUNCTION B1 & B3
CIRCUIT DIAGRAM



1571092-1 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	25FEB2002	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: mm		CHK J.MOSIER	-		
		APVD -	-	NAME POWER ROCKER SWITCH, 13.8mm X 27.6mm PANEL CUT-OUT SIZE, SINGLE POLE, SINGLE THROW, THREE TERMINALS, LAMP-ILLUMINATED	
		PRODUCT SPEC NOT APPLICABLE		SIZE A2	CAGE CODE 00779
		APPLICATION SPEC NOT APPLICABLE		DRAWING NO C=1571092	
		WEIGHT -		RESTRICTED TO -	
MATERIAL 1	FINISH 2	CUSTOMER DRAWING		SCALE 2:1	SHEET 1 OF 2
				REV F2	

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LOC

DIST

AD00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

LEGACY PART NUMBER

X₁X₂

X₃

X₄

X₅X₆

X₇X₈

X₉

X₁₀X₁₁

X₁₂

X₁₃

X₁₄

SWITCH TYPE: X₁X₂ = PR - POWER ROCKER

SECONDARY ROCKER COLOR: X₁₂ = Ø - NOT APPLICABLE

NOMINAL PANEL CUT OUT SIZE: X₃ = B - 13.8x27.6

NUMBER OF POLES: X₄ = S - SINGLE

SWITCH FUNCTION: X₅X₆ = B1 - ON-OFF, TRANSPARENT, LAMP ILLUMINATED
ROCKER BUTTON (100-125 VAC LAMP VOLTAGE)
B3 - ON-OFF, TRANSPARENT, LAMP ILLUMINATED
ROCKER BUTTON (200-250 VAC LAMP VOLTAGE)

LEGEND TEXT PATTERN: X₁₃ =

Ø

A

B

C

CURRENT RATING: X₇X₈ = 16 - △6

LEGEND TEXT COLOR: X₁₄ = Ø - NOT APPLICABLE
G - GREEN
R - RED
B - BLACK
W - WHITE

TERMINAL TYPE: X₉ = E - QC TAB
L - SOLDER LUG

FRAME COLOR: X₁₀ = B - BLACK
W - WHITE

ROCKER COLOR: X₁₁ = A - AMBER
C - CLEAR
G - GREEN
R - RED

1

MATERIALS:

LAMP BASE & HOUSING: NYLON 66, UL 94 V-2.

ROCKER BUTTON: POLYCARBONATE UL 94 V-2.

TERMINAL (NOS. 1& 2), ACTIVE CONTACTOR: COPPER ALLOY PER ASTM B152/B152M

TERMINAL (NO. 3), PLUNGER: COPPER ALLOY PER ASTM B036

PLUNGER SPRING: STEEL WIRE PER ASTM A228/A228M

CONTACT: SILVER-TIN OXIDE

LAMP SPRING: STAINLESS STEEL WIRE

LAMP: GLASS-ENCLOSED NEON LAMP

LAMP RESISTOR: 33kΩ 1/8W RATED, (100-125V LAMP VOLTAGE)

150kΩ 1/8W RATED, (200-250V LAMP VOLTAGE)

2

FINISH:

ACTIVE CONTACTOR, TERMINALS (No. 1&2): 1.0μm MIN SILVER

PLUNGER: 3.0μm MIN NICKEL

3.

ELECTRICAL SPECIFICATIONS:

CURRENT & VOLTAGE: △6

LAMP VOLTAGE: SWITCH FUNCTION B1, 100-125 VAC

SWITCH FUNCTION B3, 200-250 VAC

CONTACT RESISTANCE (INITIAL): <50mΩ

DIELECTRIC STRENGTH (INITIAL): >1000 VAC, 1 MINUTE

INSULATION RESISTANCE (INITIAL): >100MΩ MIN (500VDC BETWEEN OPEN CONTACTS)

INRUSH CURRENT: 50A / 3msec (CAPACITIVE LOAD)

ELECTRICAL LIFE ENDURANCE: >6000 OPERATIONS,

TEMPERATURE RISE AT TERMINALS: <30°C, 6000 OPERATIONS

(AMBIENT CONDITIONS: 25±2°C AND 65±5%R.H)

4.

MECHANICAL SPECIFICATIONS:

ACTUATING FORCE: 300g MIN, 700g MAX

OPERATING LIFE ENDURANCE: >100,000 OPERATIONS

TERMINAL RETENTION STRENGTH: >2.5kg- SOLDER LUG

>10.0kg- QC TAB

5.

ENVIRONMENTAL SPECIFICATIONS:

AMBIENT TEMPERATURE: -20°C TO +85°C

HUMIDITY: MAX 85%

SALT SPRAY: NO REMAKABLE RUST IN METAL PARTS. (5%SALT / 35°C 24HRS)

SHOCK: NO MECHANICAL DEFECT OR DAMAGE. (100g / 10MSEC/ X,Y,Z 3 TIMES)

VIBRATION: NO MECHANICAL DEFECT OR DAMAGE. (10-55Hz /1.5mm/ X,Y,Z 2HRS)

DEGREE OF PROTECTION: IP40

6

UL: 16A@125VAC ⅓ HP/10A@250VAC ½ HP

ENEC: 10(4)A 250V~

7

ELECTRICAL RATINGS, APPROVED AGENCY LOGOS, TERMINAL IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN ON THE SIDES OF THE SWITCH HOUSING.

8

THE LAMP VOLTAGE RATING IS LISTED ON THE LABEL LOCATED ON THE SIDE OF THE SWITCH HOUSING, APPROXIMATELY AS SHOWN.

9.

COMPONENT RECOGNIZED TO US & CANADIAN STANDARDS, UL FILE NO. E46765.

10.

COMPONENT-RECOGNIZED TO EUROPEAN STANDARDS (ENEC & VDE) MARKS LICENSE NO 40020315

11.

ROHS 2002/95/EC COMPLIANT

12

TYCO ELECTRONICS LOGO LOCATED APPROXIMATELY AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± 0.30

2 PLC ± 0.05

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

MATERIAL

-

DWN

M.BINNER

25FEB2002

CHK

J.MOSIER

-

APVD

-

-

PRODUCT SPEC

NOT APPLICABLE

APPLICATION SPEC

NOT APPLICABLE

WEIGHT

-

CUSTOMER DRAWING

-

Tyco Electronics

Tyco Electronics Corporation

Harrisburg, PA 17105-3608

NAME

POWER ROCKER SWITCH, 13.8mm X 27.6mm

PANEL CUT-OUT SIZE, SINGLE POLE, SINGLE

THROW, THREE TERMINALS, LAMP-ILLUMINATED

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1571092

RESTRICTED TO

-

SCALE

1:1

SHEET

2 of 2

REV

F2

3307-7 (1/08)

1571092