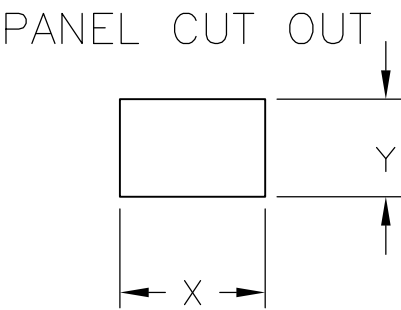
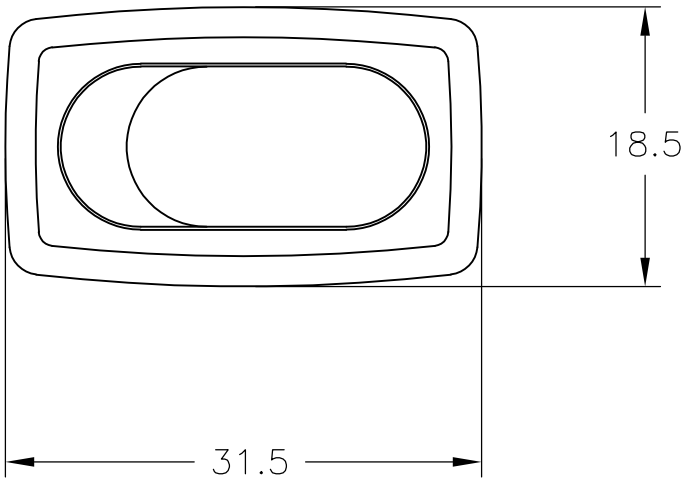
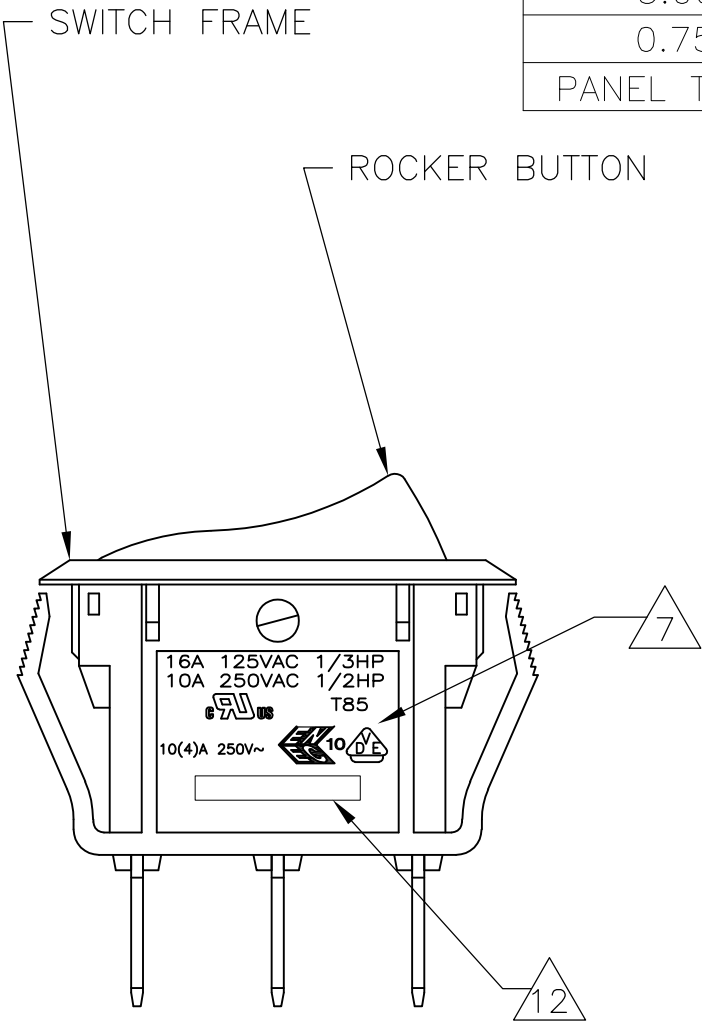
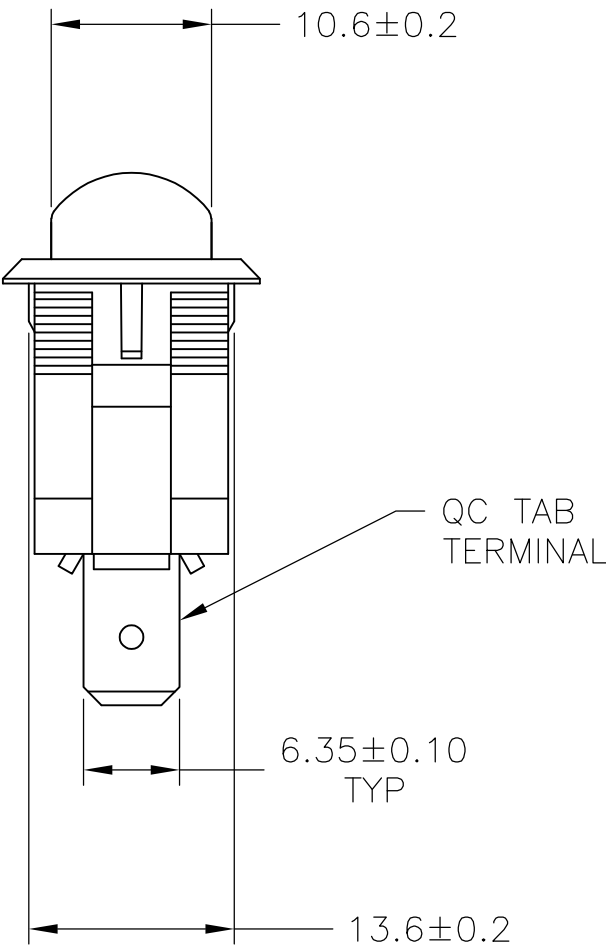
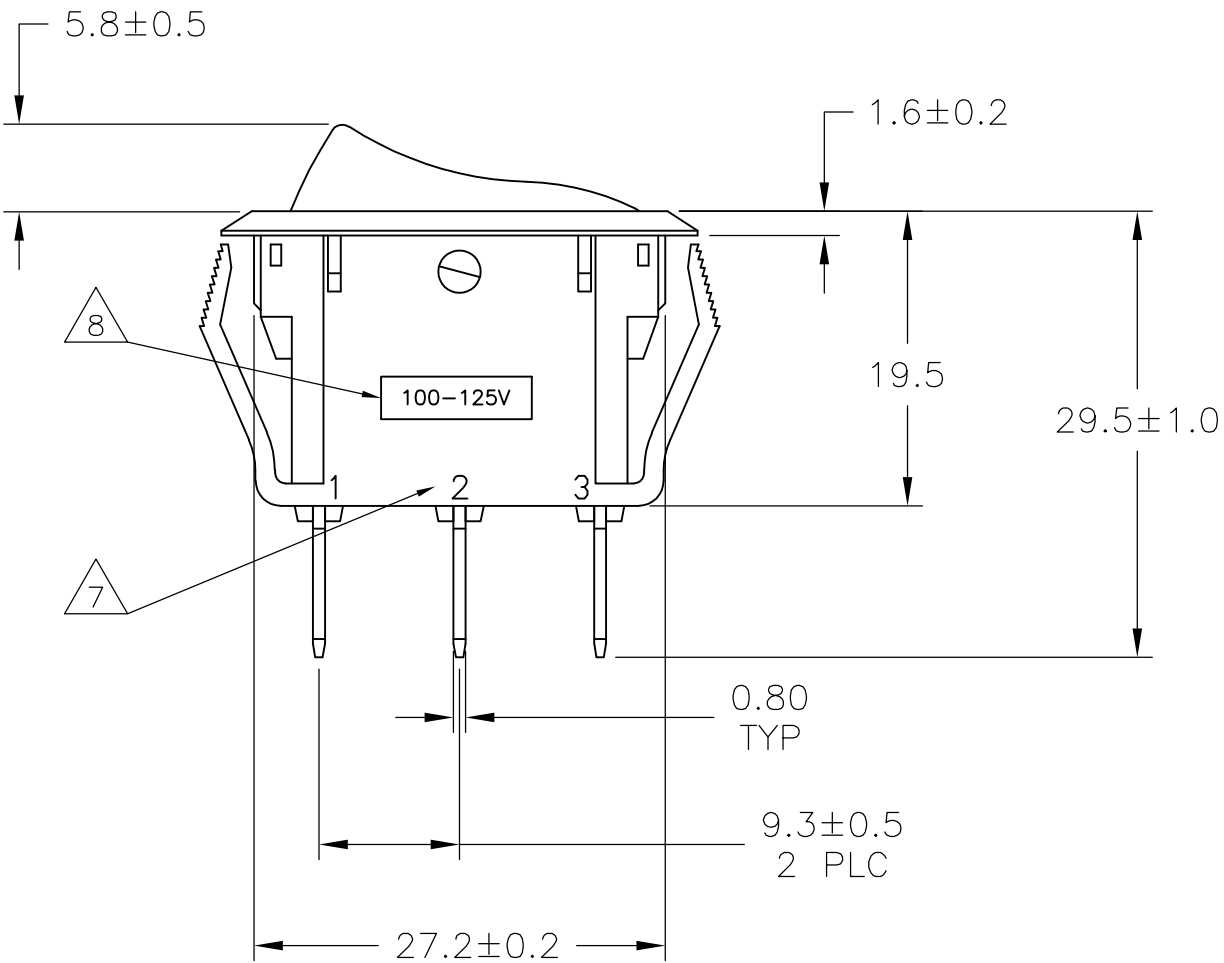


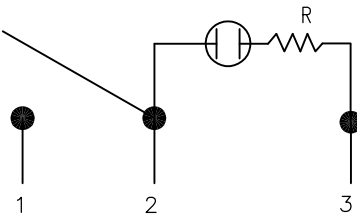
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			F2	REVISED PER ECO-10-005254	17MAR10	HMR	NE



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		SIZE A2	CAGE CODE 00779	DRAWING NO C=1571092
		APPLICATION SPEC		RESTRICTED TO -		
		NOT APPLICABLE				
MATERIAL 1	FINISH 2	WEIGHT -	CUSTOMER DRAWING	SCALE 2:1	SHEET 1 OF 2	REV F2

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

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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

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

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

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

1571092

1571092-4

1571092-3

1571092-2

1571092-1

LEGACY PART NUMBER

PART NUMBER

3307-7 (1/08)