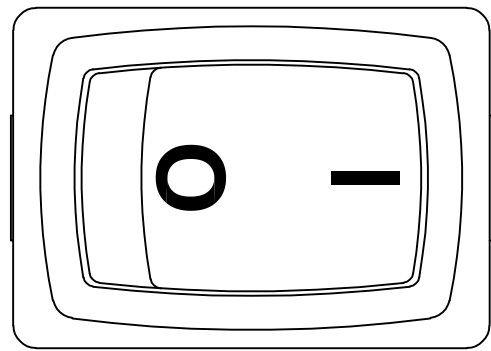
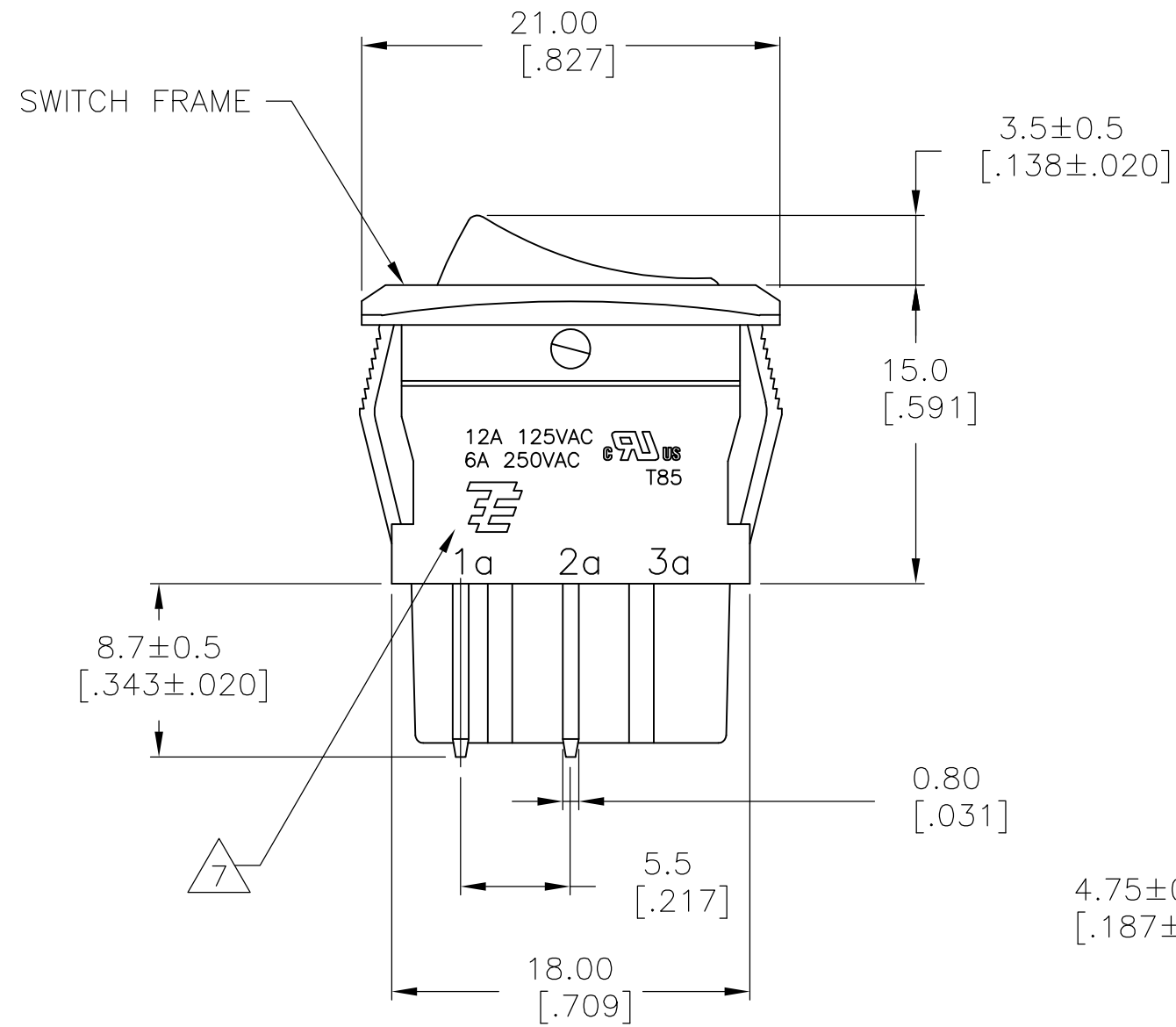


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		A	ECO-07-019301	21AUG07	MB	DR

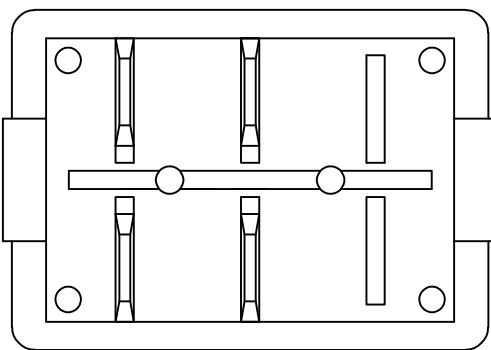
D



C

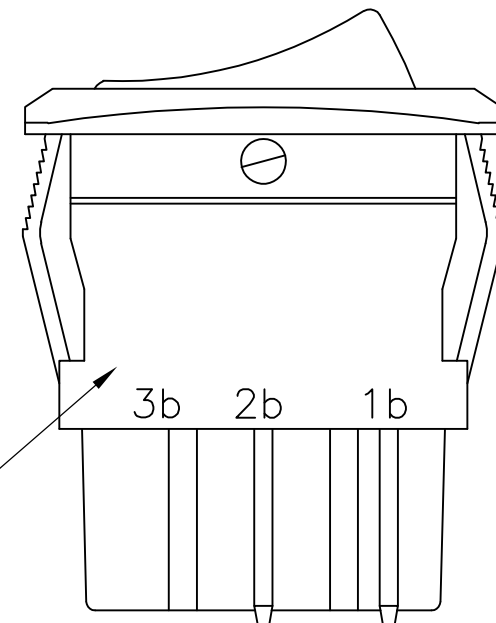
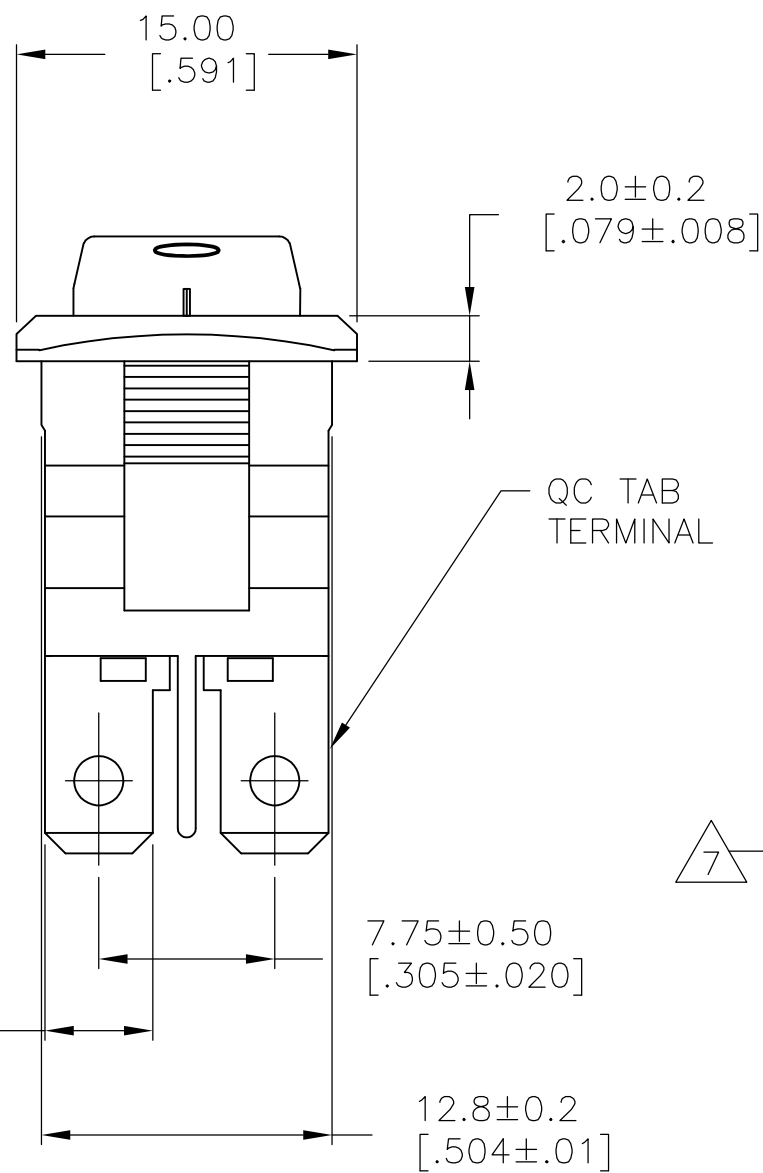


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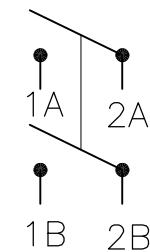


A

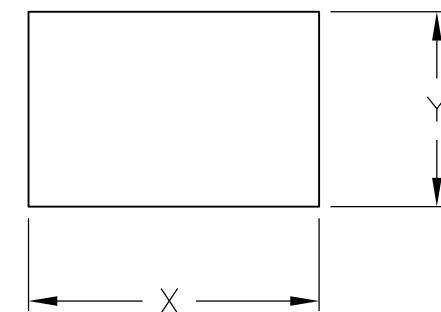
1977068-2 SHOWN



SWITCH FUNCTION A1
CIRCUIT DIAGRAM



PANEL CUT OUT



D

C

1977068

B

A

2.00-4.00[.079-.158]	19.8-0.1 [.780-.004]	13.0+0.1 [.512+.004]
1.25-2.00[.049-.079]	19.4-0.1[.764-.004]	13.0+0.1 [.512+.004]
0.75-1.25[.030-.049]	19.2-0.1[.756-.004]	13.0+0.1 [.512+.004]
PANEL THICKNESS	X	Y

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER	03APR2007	Tyco Electronics Corporation Harrisburg, Pa 17105-3608		
DIMENSIONS: mm [INCHES]		CHK D.ROHDE	-			
		APVD	-	NAME POWER ROCKER SWITCH, 13.0mm X 19.2mm		
		PRODUCT SPEC	-	PANEL CUT-OUT SIZE, DOUBLE POLE, SINGLE THROW, FOUR TERMINALS, NON-ILLUMINATED		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-	SIZE	CAGE CODE	DRAWING NO
		NOT APPLICABLE	-	A2	00779	C=1977068
MATERIAL		WEIGHT	-	RESTRICTED TO		
FINISH		CUSTOMER DRAWING	-	SCALE	SHEET	REV
1		2	-	3:1	1 OF 2	A

THIS DRAWING IS UNPUBLISHED.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

—

X₁₀

X₁₁

X₁₂

X₁₃

X₁₄

SWITCH TYPE: X₁X₂ = PR — POWER ROCKER

SECONDARY ROCKER COLOR: X₁₂ = Ø — NOT APPLICABLE

NOMINAL PANEL CUT OUT SIZE: X₃ = A — 13.0x19.2
[.512x.756]

NUMBER OF POLES: X₄ = D — DOUBLE

SWITCH FUNCTION: X₅X₆ = A1 — ON-OFF, WITH OPAQUE,
SINGLE-COLOR ROCKER
BUTTON.

LEGEND TEXT PATTERN: X₁₃ =

Ø

A

B

C

H

•

o

o

OFF

ON

CURRENT RATING: X₇X₈ = 12 —

6

TERMINAL TYPE: X₉ = E — QC TAB

FRAME COLOR: X₁₀ = B — BLACK
W — WHITE

ROCKER COLOR: X₁₁ =

B

G

R

W

BLACK

GREEN

RED

WHITE

LEGEND TEXT COLOR: X₁₄ =

Ø

G

R

B

W

NOT APPLICABLE

GREEN

RED

BLACK

WHITE

1

MATERIALS:

ROCKER BUTTON & HOUSING FRAME: NYLON 66, UL 94 V-2.

TERMINAL, ACTIVE CONTACTOR: COPPER ALLOY PER ASTM B152/B152M

PLUNGER: BRASS PER ASTM B036

SPRING: STEEL WIRE PER ASTM A228/A228M

2

FINISH:

PLUNGER: 1.02µm[.000040]MIN NICKEL

3

ELECTRICAL SPECIFICATIONS:

CURRENT AND VOLTAGE:

6

CONTACT RESISTANCE: (INITIAL): <100mΩ

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

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

ELECTRICAL LIFE ENDURANCE: >6000 OPERATIONS, VOLTAGE DROP: <100mV

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

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

4

MECHANICAL SPECIFICATIONS:

ACTUATING FORCE: 400g MIN, 800g MAX

OPERATING LIFE ENDURANCE: >100,000 OPERATIONS

TERMINAL RETENTION FORCE: >6.8kg— QC TAB

5

ENVIRONMENTAL SPECIFICATIONS:

AMBIENT TEMPERATURE: -20°C TO +85°C

HUMIDITY: MAX 85%

SALT SPRAY: NO REMARKABLE RUST ON METAL PARTS

(5% SALT/ 35°C, 24HRS)

SHOCK: NO MECHANICAL DEFECT OR DAMAGE

(500G 11MSEC / X,Y,Z, 3 TIMES)

6

12A@125VAC/6A@250VAC

7

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

8

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

9

ROHS 2002/95/EC COMPLIANT.

PRADA1-12F-BROBW	1977068-5
PRADA1-12F-BR000	1977068-4
PRADA1-12F-BB0CW	1977068-3
PRADA1-12F-BB0BW	1977068-2
PRADA1-12F-BB000	1977068-1
LEGACY PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm [INCHES]

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

± -

± 0.30[.012]

± 0.05[.002]

± -

± -

± -

± -

2

DWN

M. BINNER

03APR2007

CHK

D.ROHDE

—

APVD

—

—

PRODUCT SPEC

NOT APPLICABLE

APPLICATION SPEC

NOT APPLICABLE

MATERIAL

1

WEIGHT

—

CUSTOMER DRAWING

DWN

M. BINNER

03APR2007

CHK

D.ROHDE

—

APVD

—

—

PRODUCT SPEC

NOT APPLICABLE

APPLICATION SPEC

NOT APPLICABLE

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1977068

RESTRICTED TO

—

SCALE

3:1

SHEET

2

OF

2

REV

A

NAME

POWER ROCKER SWITCH, 13.0mm X 19.2mm
PANEL CUT-OUT SIZE, DOUBLE POLE, SINGLE THROW,
FOUR TERMINALS, NON-ILLUMINATED

Tyco Electronics

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

AMP 1471-9 REV 31MAR2000

1977068

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[PRADA1-12F-BB0BW](#) [PRADA1-12F-BB0CW](#)