

LOC	DIST	REVISIONS				
AD	00	P	LTR	DESCRIPTION	DATE	APVD
			C3	REVISED PER ECO-10-006305	25MAR10	NE

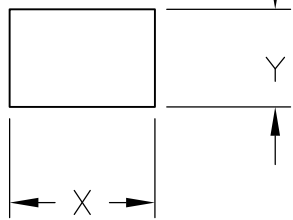
D

25.0±0.2
[.98±.01]

46.3±0.2
[1.82±.01]

SWITCH FRAME

PANEL CUT OUT



2.00-3.00	[.079-.118]	21.2+0.1	[.835+.004]	37.0+0.2	[1.457+.008]
1.25-2.00	[.049-.079]	21.2+0.1	[.835+.004]	36.8+0.2	[1.449+.008]
.075-1.25	[.030-.049]	21.2+0.1	[.835+.004]	36.6+0.2	[1.441+.008]
PANEL THICKNESS		Y		X	

C

7.3±1.0
[.29±.04]

ROCKER
BUTTON

2.20±0.10
[.087±.004]

28.1±0.3
[1.11±.01]

20A 125VAC 10A 250VAC
12A 125VAC 3/4HP
10A 277VAC 3/4HP

T85

11.2±0.5
[.44±.02]

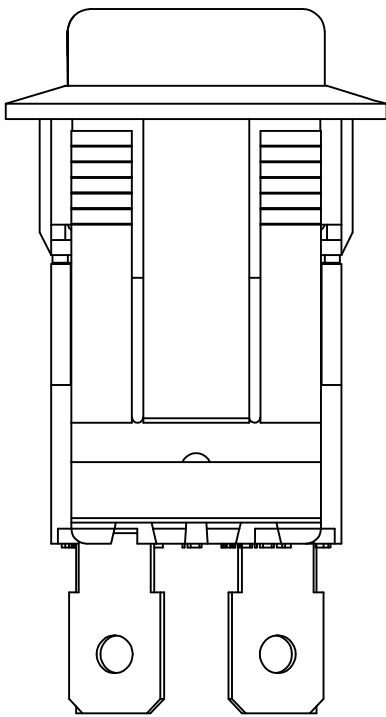
6.35±0.10
[.250±.004]

QC TAB
TERMINAL

0.80±0.08
[.031±.003]

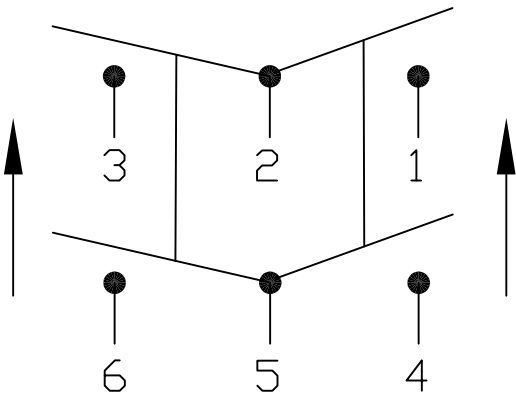
21.0^{0.0}_{-0.2}
[.83^{.00}_{-.01}]

36.5^{0.0}_{-0.2}
[1.44^{.00}_{-.01}]

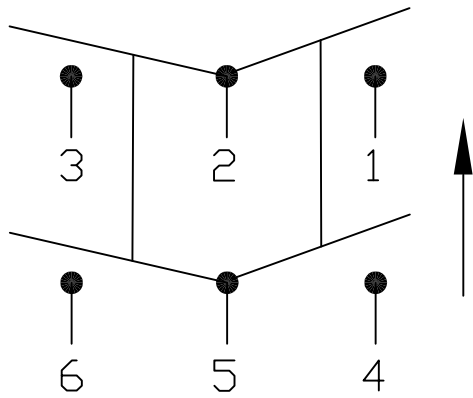


1571099-7
SHOWN

SWITCH FUNCTION D5
CIRCUIT DIAGRAM

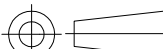


SWITCH FUNCTION D4
CIRCUIT DIAGRAM



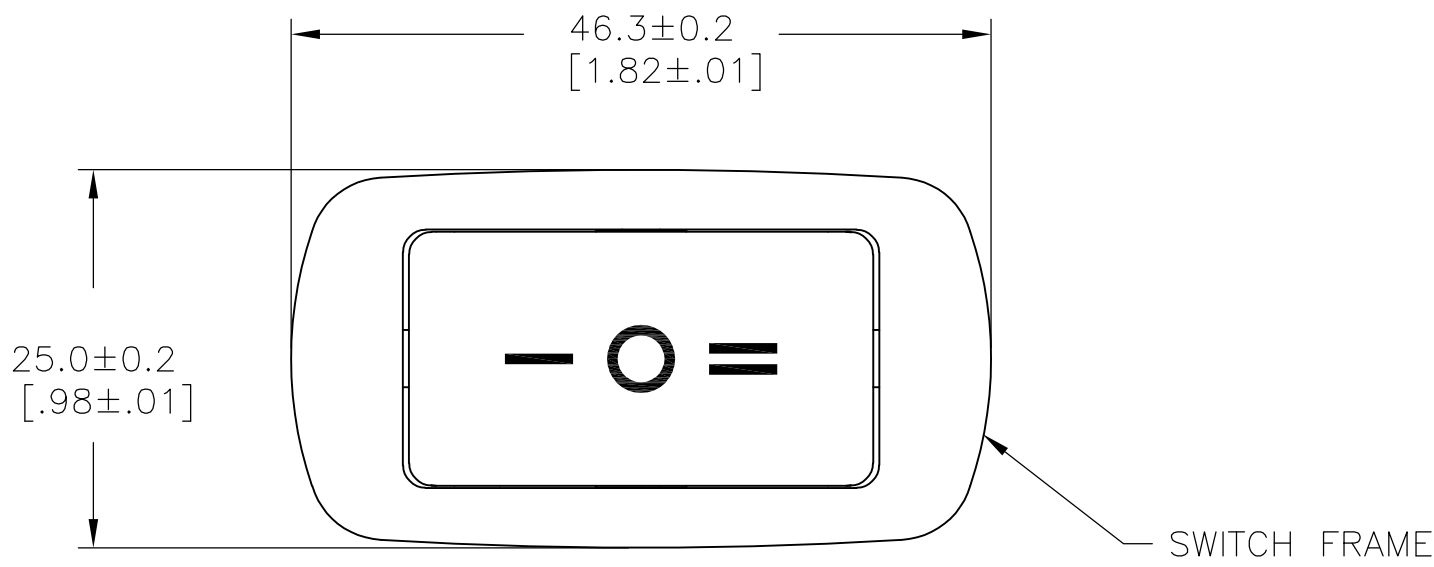
B

A

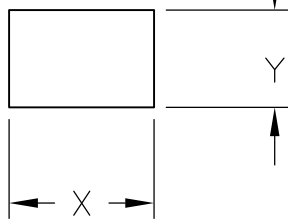
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002		 Tyco Electronics Corporation Harrisburg, PA 17105-3608					
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK D.ROHDE 16NOV05		NAME POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN PANEL CUT-OUT SIZE DOUBLE POLE, DOUBLE THROW, NON-ILLUMINATED			
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		APVD D.ROHDE 16NOV05		PRODUCT SPEC —				
	MATERIAL 		FINISH 					APPLICATION SPEC —	
				WEIGHT —		SIZE A2	CAGE CODE 00779	DRAWING NO C=1571099	RESTRICTED TO —
CUSTOMER DRAWING						SCALE 2:1	SHEET 1 of 4	REV C3	

LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1			-	-	-

D

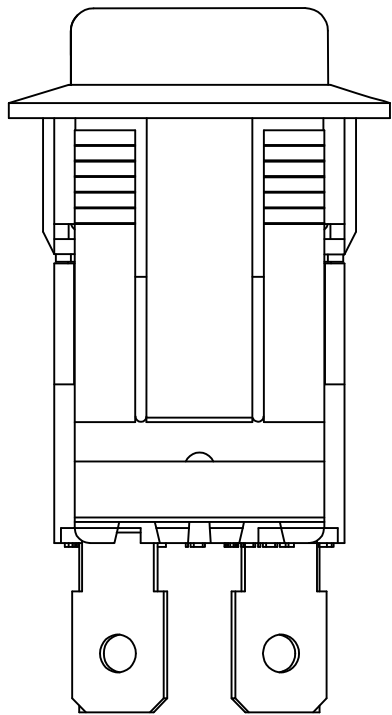
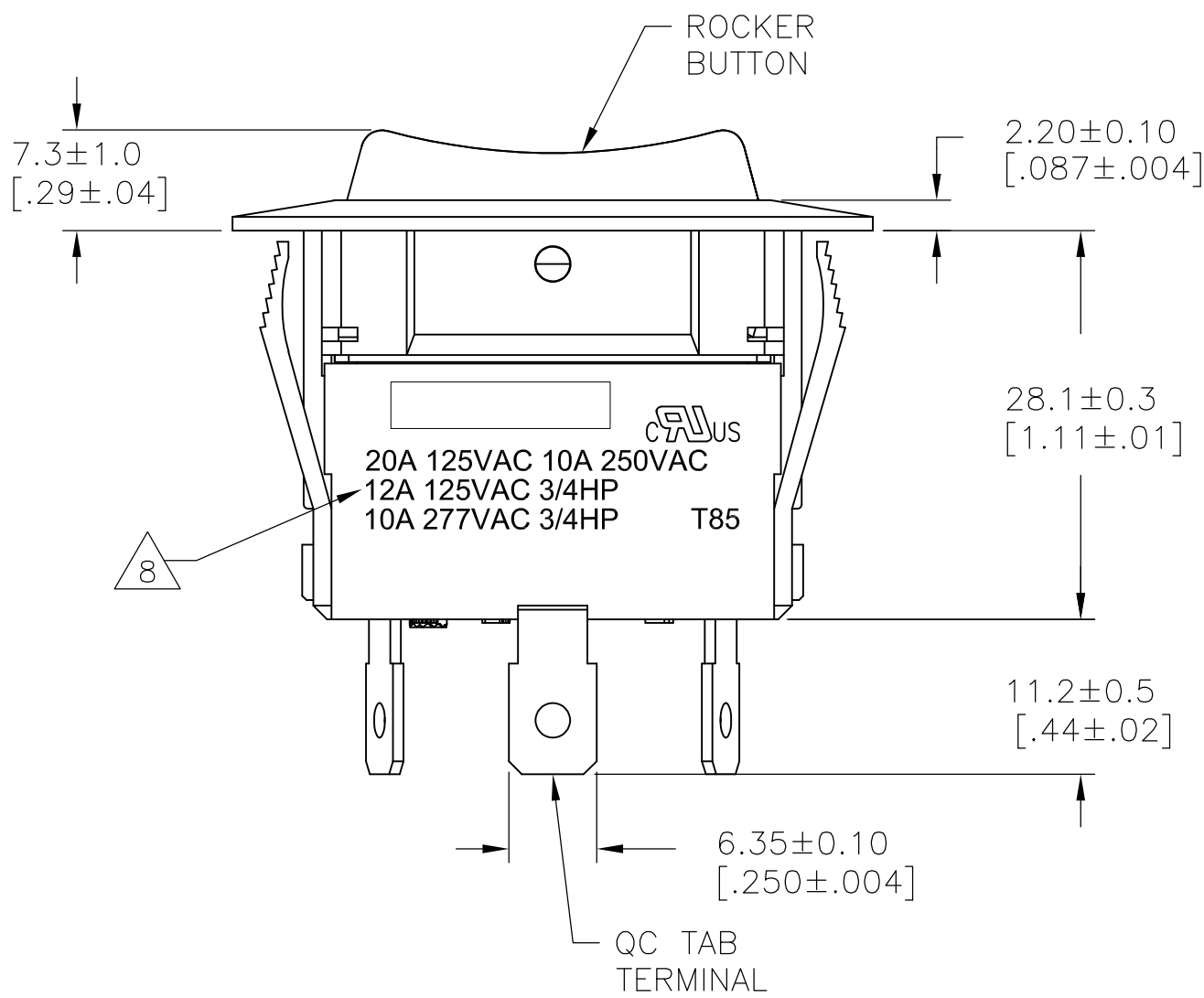


PANEL CUT OUT



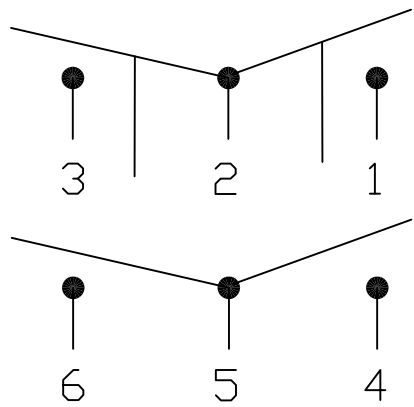
D

C

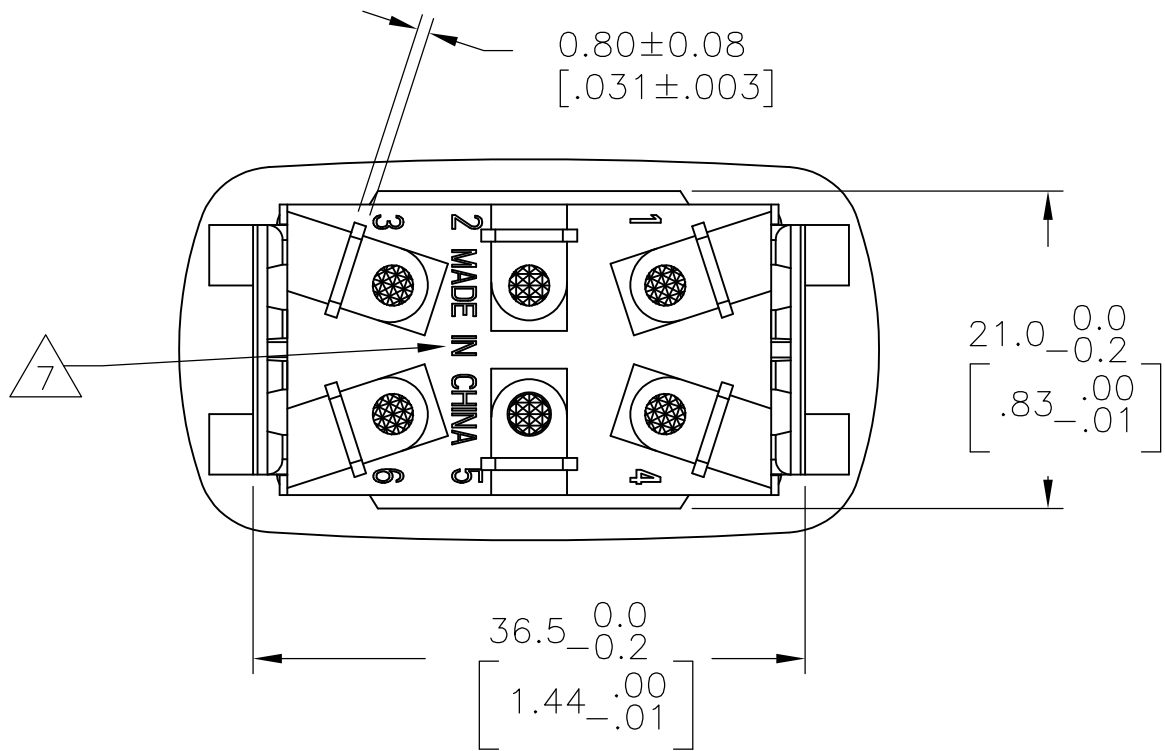


C

SWITCH FUNCTION D3
CIRCUIT DIAGRAM



B

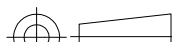


1571099-5
SHOWN

1571099

B

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002		 Tyco Electronics Corporation Harrisburg, PA 17105-3608					
DIMENSIONS: mm [INCHES]		CHK D.ROHDE 16NOV05							
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D.ROHDE 16NOV05		NAME POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN PANEL CUT-OUT SIZE DOUBLE POLE, DOUBLE THROW, NON-ILLUMINATED				
			PRODUCT SPEC						
			—						
			APPLICATION SPEC						
MATERIAL 			—		SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
	FINISH		WEIGHT —		A2	00779	C-1571099		—
			CUSTOMER DRAWING		SCALE 2:1		SHEET 2 of 4		REV C3

THIS DRAWING IS UNPUBLISHED.

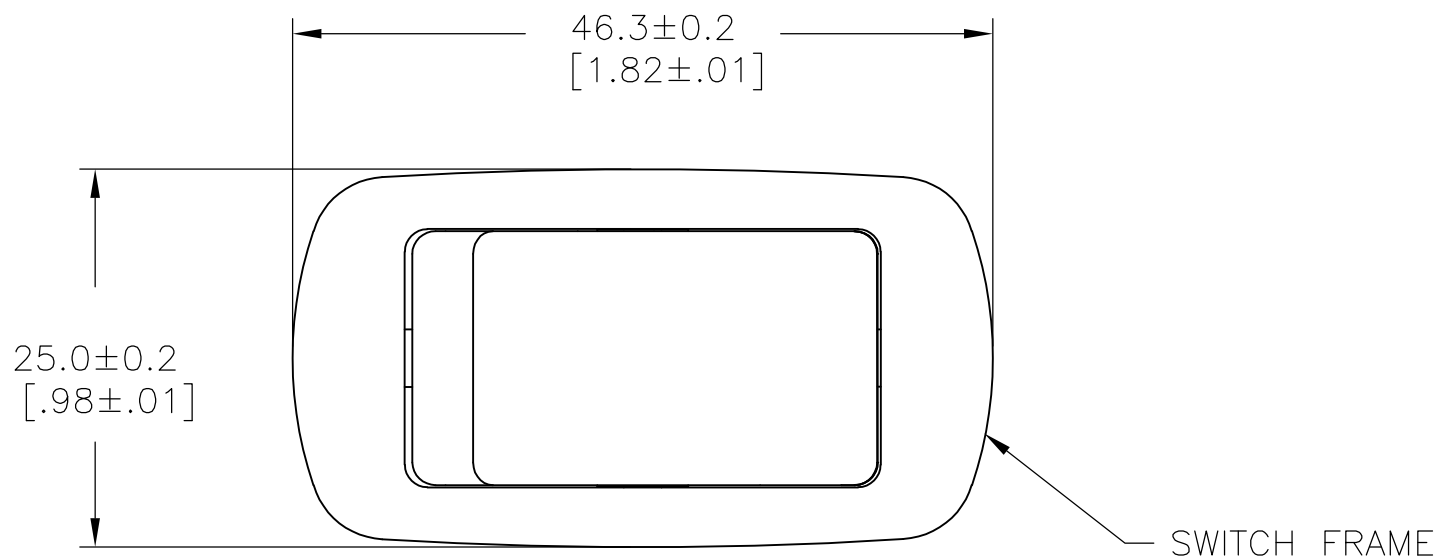
RELEASED FOR PUBLICATION

ALL INTERNATIONAL RIGHTS RESERVED.

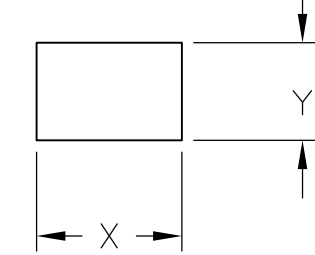
© COPYRIGHT BY TYCO ELECTRONICS CORPORATION.

LOC	DIST	REVISIONS				
AD	00	P	LTR	DESCRIPTION	DATE	DWN
				SEE SHEET 1		

D

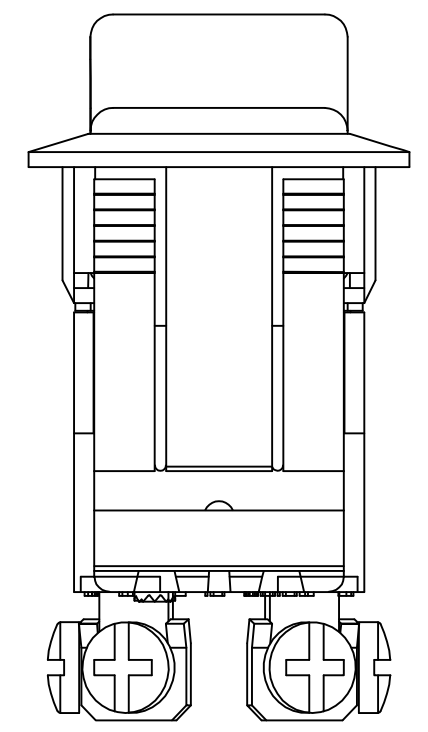
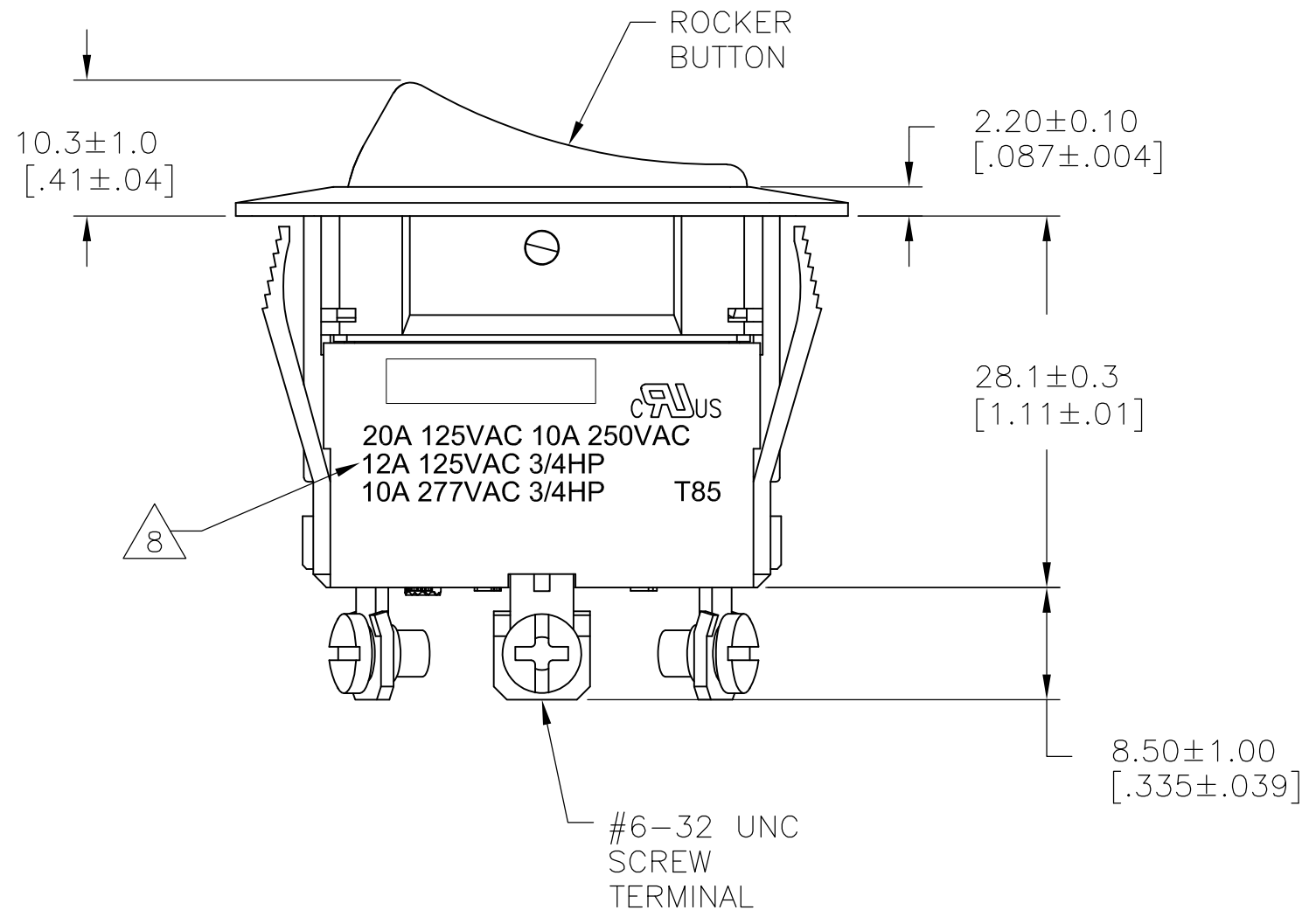


PANEL CUT OUT

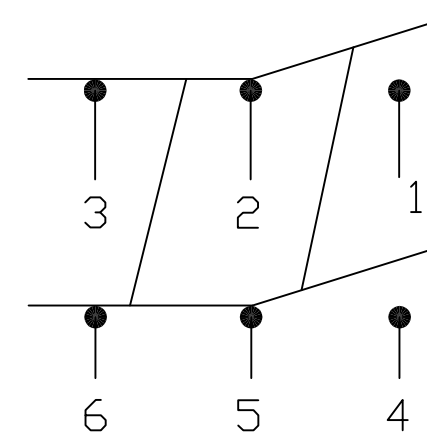


2.00–3.00 [.079–.118]	21.2+0.1 [.835+.004]	37.0+0.2 [1.457+.008]
1.25–2.00 [.049–.079]	21.2+0.1 [.835+.004]	36.8+0.2 [1.449+.008]
.075–1.25 [.030–.049]	21.2+0.1 [.835+.004]	36.6+0.2 [1.441+.008]
PANEL THICKNESS	Y	X

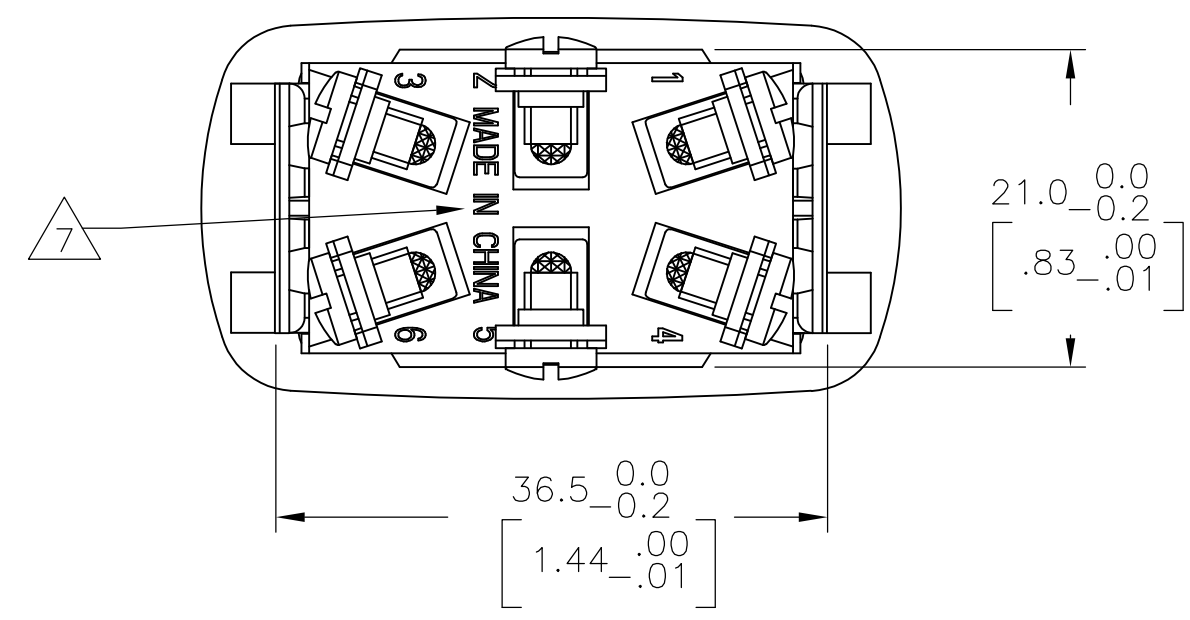
C



SWITCH FUNCTION D1
CIRCUIT DIAGRAM



B



1–1571099–0
SHOWN

A

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH

DWN
M.BINNER
CHK
D.ROHDE
APVD
D.ROHDE
PRODUCT SPEC
APPLICATION SPEC
WEIGHT
—

25FEB2002
16NOV05
16NOV05
—
—
—

Tyco Electronics Corporation
Harrisburg, PA 17105–3608

NAME
POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN
PANEL CUT–OUT SIZE
DOUBLE POLE, DOUBLE THROW, NON–ILLUMINATED

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1571099

RESTRICTED TO
—

CUSTOMER DRAWING

SCALE
2:1

SHEET
3 OF 4

REV
C3

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT

BY TYCO ELECTRONICS CORPORATION.

ALL INTERNATIONAL RIGHTS RESERVED.

LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

AD

00

—

—

SEE SHEET 1

1

MATERIALS:
ROCKER BUTTON, FRAME & HOUSING: NYLON 66, UL 94 V-2.
PLUNGER: PHENOLIC
SEAL: SILICONE RUBBER
SCREW TERMINAL, ACTIVE CONTACTOR, CONTACTOR SUPPORT: COPPER ALLOY PER ASTM B152
QC & SOLDER TERMINAL: COPPER ALLOY PER ASTM B036
SPRING: STEEL WIRE
CONTACTS: SILVER-TIN OXIDE

2

FINISH:
CONTACTOR SUPPORT, ACTIVE CONTACTOR: 1.01µm [.000040] MIN SILVER
QC TERMINAL: 1.27µm [.000050] MIN NICKEL
SOLDER TERMINAL: 1.27µm [.000050] MIN TIN

3

ELECTRICAL SPECIFICATIONS:
CURRENT AND VOLTAGE: 6
CONTACT RESISTANCE (INITIAL): <50mΩ
DIELECTRIC STRENGTH (INITIAL): >1000 VAC, 1 MINUTE
INSULATION RESISTANCE (INITIAL): >100MΩ MIN (500VDC 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: 1100g MIN, 3000g MAX
OPERATING LIFE ENDURANCE: >100,000 OPERATIONS
TERMINAL RETENTION FORCE: >9kg- SOLDER LUG
>9kg- QC TAB
>6.8kg- #6-32 SCREW

5

ENVIRONMENTAL SPECIFICATIONS:
AMBIENT TEMPERATURE: -20°C TO +85°C
DEGREE OF PROTECTION: IP 66

6

20A 125VAC, 10A 250VAC/12A 125VAC, 3/4HP/ 10A 277VAC, 3/4HP

7

COUNTRY OF ORIGIN AND TERMINAL IDENTIFICATION NUMBERS
MOLDED APPROXIMATELY AS SHOWN ON THE SWITCH HOUSING.

8

ELECTRICAL RATINGS, APPROVED AGENCY LOGOS AND THE TYCO ELECTRONICS LOGO INK MARKED APPROXIMATELY AS SHOWN ON THE SWITCH HOUSING.

9

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

10

ROHS 2002/95/EC COMPLIANT

LEGACY PART NUMBER

X1X2X3X4X5X6

X7X8X9

X10X11X12X13X14

SWITCH TYPE: X1X2 = PR - POWER ROCKER

SECONDARY ROCKER COLOR: X12 = Ø - NOT APPLICABLE

LEGEND TEXT PATTERN: X13 =

Ø

D

E

F

G

-

=

I

II

-

O

=

I

O

II

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

CURRENT RATING: X7X8 = 20 - 6

TERMINAL TYPE: X9 = F - QC TAB
L - SOLDER LUG
S - #6-32 UNC SCREW

FRAME COLOR: X10 = B - BLACK
W - WHITE

ROCKER COLOR: X11 = B - BLACK
G - GREEN
R - RED
W - WHITE
Y - YELLOW

1	PRCDD5-20F-BB000	1-1571099-3
3	PRCDD1-20S-BB0EW	1-1571099-2
3	PRCDD1-20S-BB0DW	1-1571099-1
3	PRCDD1-20S-BB000	1-1571099-0
1	PRCDD4-20F-BB0GW	1571099-9
1	PRCDD4-20F-BB0FW	1571099-8
1	PRCDD4-20F-BB000	1571099-7
2	PRCDD3-20F-BB0GW	1571099-6
2	PRCDD3-20F-BB0FW	1571099-5
2	PRCDD3-20F-BB000	1571099-4
2	PRCDD1-20F-BB0EW	1571099-3
2	PRCDD1-20F-BB0DW	1571099-2
2	PRCDD1-20F-BB000	1571099-1
SHEET REF	ALCOSWITCH PART NUMBER	TYCO PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL

1

DWN
M.BINNER
25FEB2002

CHK
D.ROHDE
16NOV05

APVD
D.ROHDE
16NOV05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN
PANEL CUT-OUT SIZE
DOUBLE POLE, DOUBLE THROW, NON-ILLUMINATED

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1571099

RESTRICTED TO
-

SCALE
2:1

SHEET
4 of 4

REV
C3

AMP 3307-7 REV 31MAR2000

1571099