

Series PRA, PRB and PRD

Product Facts

- Full line of single or double-pole power rocker switches for three different industry compatible panel cut-out sizes
- Easy to install snap-in mounting
- Dust resistant
- Dual color rocker option
- Full-illuminated rocker option
- LED or neon window illuminated option
- Wide range of marking options and functions available
- Solder lugs or .187 & .250 FASTON Tab terminals
- Cost competitive

Electrical Characteristics

Current: 16A@125 VAC 1/3 HP

10A@250 VAC 1/2 HP

PRA Series Double Pole:

7A@125 VAC

6A@250 VAC

PRA Series Single Pole:

6 (3)A 250V ~ 10A 125V ~

μ 25T85

Inrush Current: 50A/3msec
(capacitive load)

Contact Resistance (initial): <50m Ohms

Dielectric Strength (initial): >1000 VAC, 1 min.

Insulation Resistance (initial): >100Mohms min.

Electrical Life Endurance:

>6000 operations

Voltage drop <100 mV

Mechanical Characteristics

Operating Life Endurance: up to >100,000 operations

Actuating Force:

Series PRA 150g min., 650g max.

Series PRB 300g min., 700g max.

Series PRD 850g min., 1250g max.



Series PRA

.51 [13.0] x .76 [19.2]
Panel Cut-out

Photo 112300-1

Series PRD

1.00 [25.4] x 1.09 [27.6]
Panel Cut-out

Photo 112302

Series PRB

.54 [13.8] x 1.09 [27.6]
Panel Cut-out

Photo 112301-1

Materials and Finish

Housing: Nylon 6/6 UL 94V-2

Rocker: Nylon 6/6 UL 94V-2 or
Polycarbonate UL 94V-2

Contact: Silver-tin Oxide

Terminals, Active Contactor: Silver
plated copper alloy

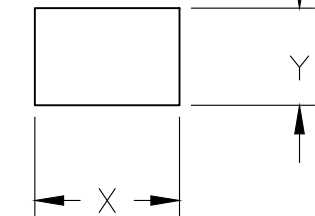
Plunger: Nickel plated copper alloy

Spring: Steel Wire

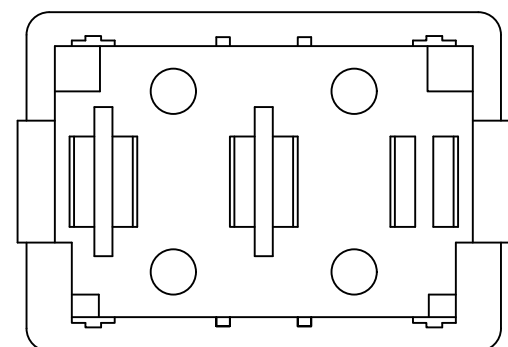
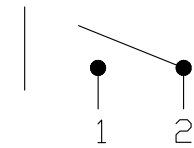
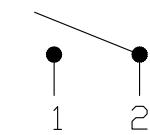
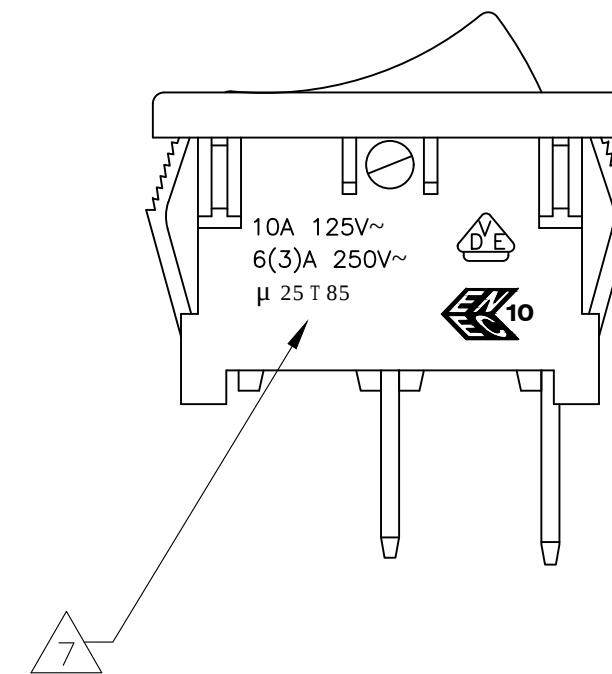
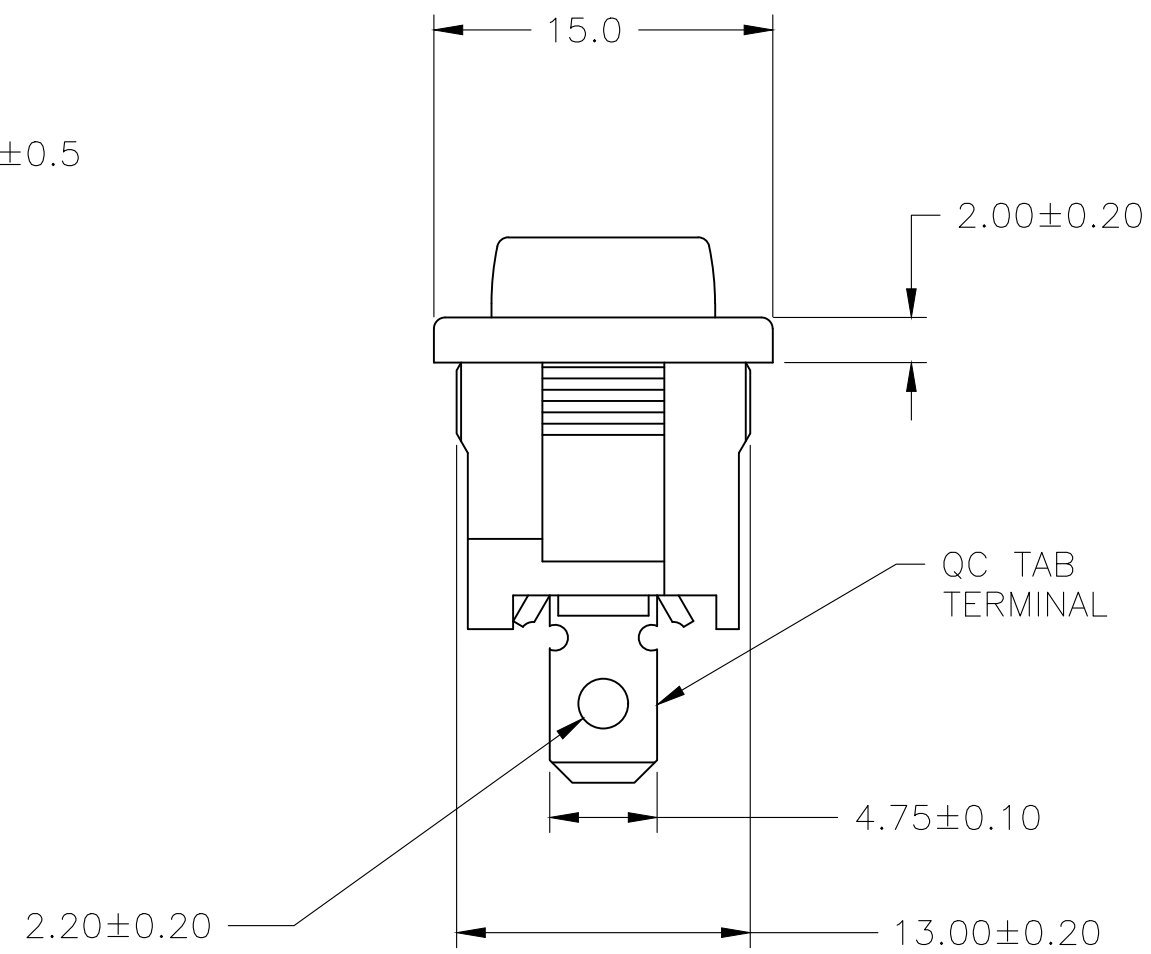
Standards & Specs

UL Approved - File No. E46765

ENEC/VDE approval - File No.
40006757 (PRA Single Pole Series
only)



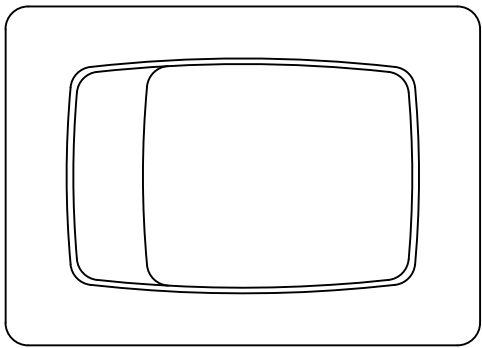
2.00–3.00	19.8–0.1	13.0+0.1
1.25–2.00	19.4–0.1	13.0+0.1
0.75–1.25	19.2–0.1	13.0+0.1
PANEL THICKNESS	X	Y



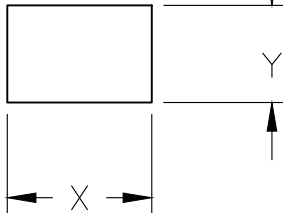
1571076-9 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002 CHK J.MOSIER APVD —		 TE Connectivity	
DIMENSIONS: MM 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± 0.30 2 PLC ± 0.05 3 PLC ± — 4 PLC ± — ANGLES ± —		NAME POWER ROCKER SWITCH, 13.0mm X 19.2mm PANEL SIZE SPST 2 TERMINALS NON-ILLUMINATED	
MATERIAL 		FINISH 		PRODUCT SPEC NOT APPLICABLE APPLICATION SPEC NOT APPLICABLE WEIGHT 	
CUSTOMER DRAWING				SIZE A2	CAGE CODE 00779
DRAWING NO C-1571076				RESTRICTED TO —	
SCALE 3:1				SHEET 1 of 4	REV 15

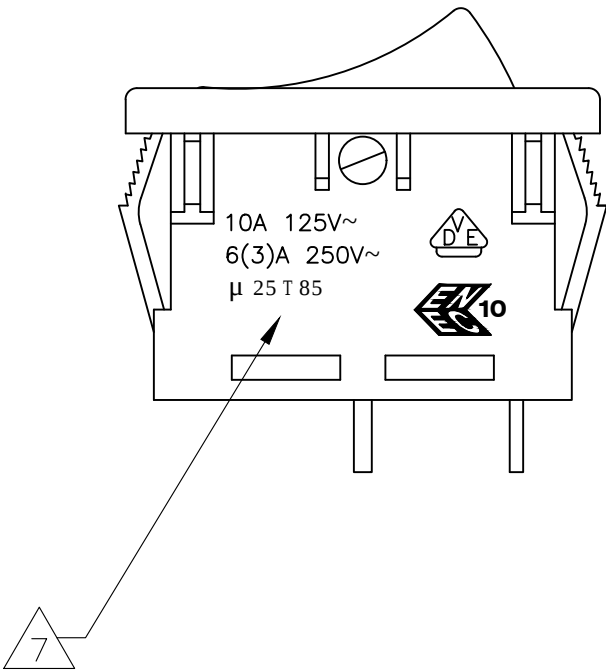
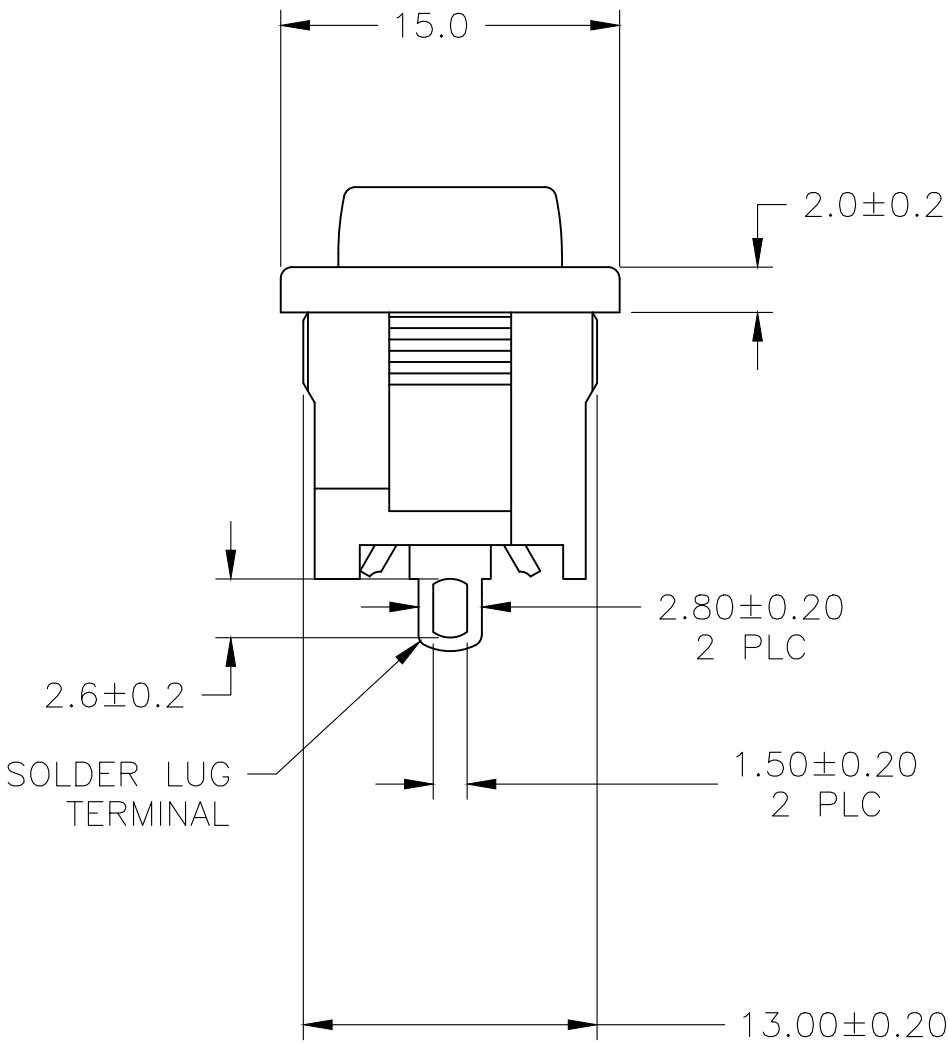
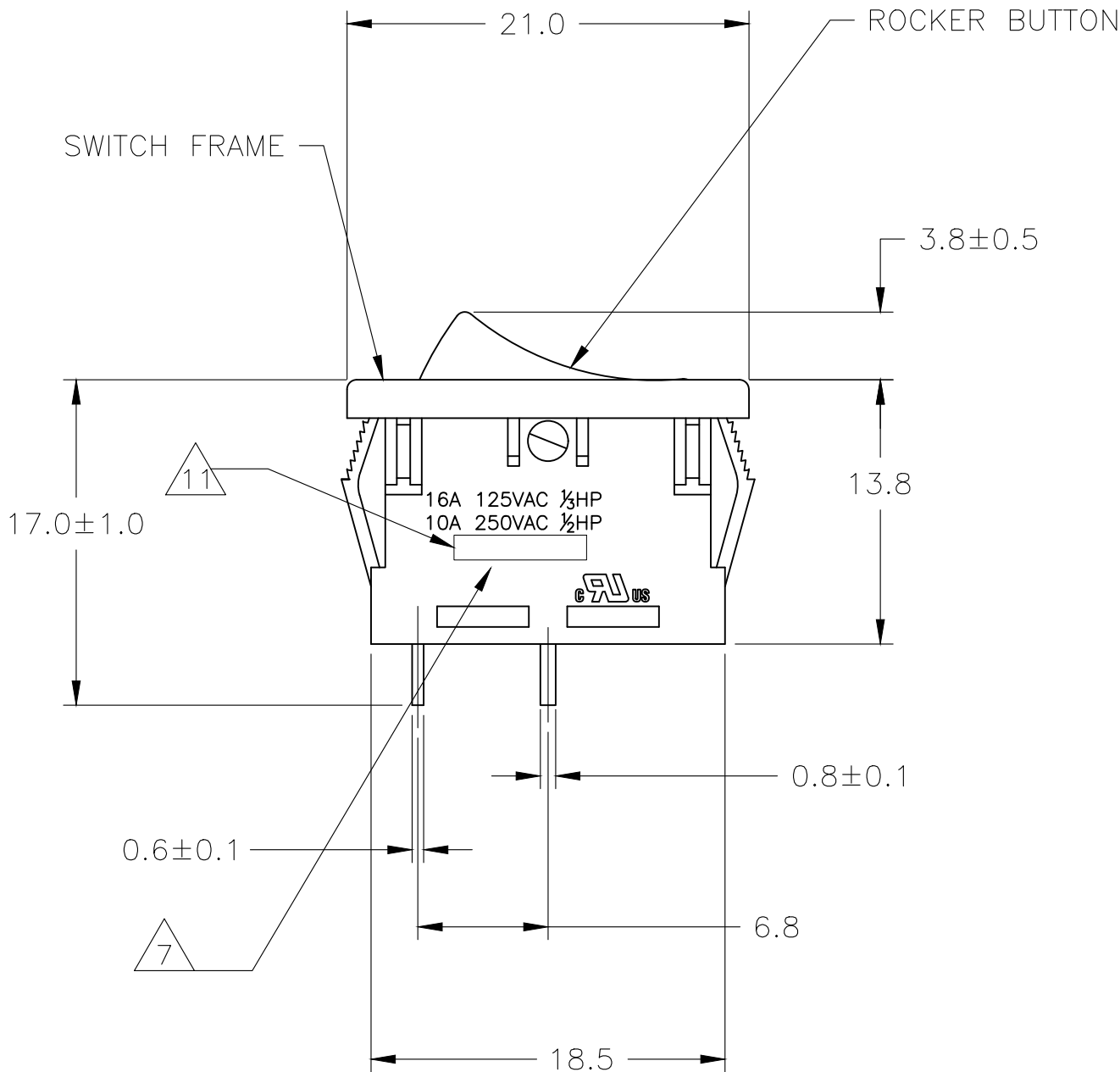
REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN APVD
	—	SEE SHEET 1	—	—



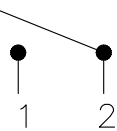
PANEL CUT OUT



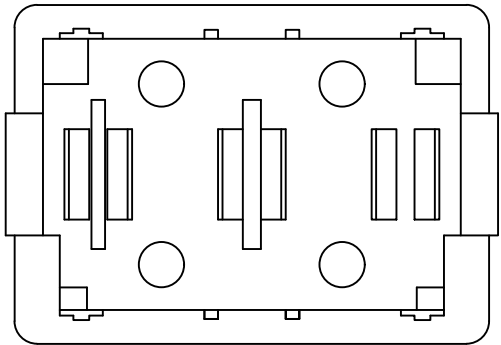
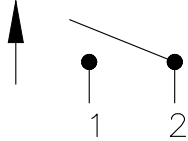
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1.25–2.00	19.4–0.1	13.0+0.1
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PANEL THICKNESS	X	Y



SWITCH FUNCTION A1
CIRCUIT DIAGRAM

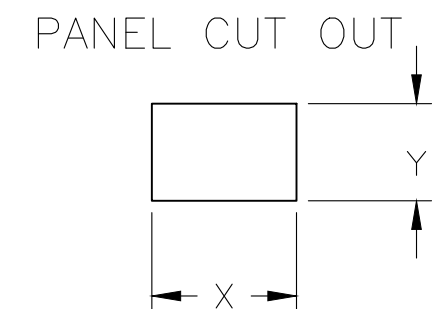


SWITCH FUNCTION A3
CIRCUIT DIAGRAM

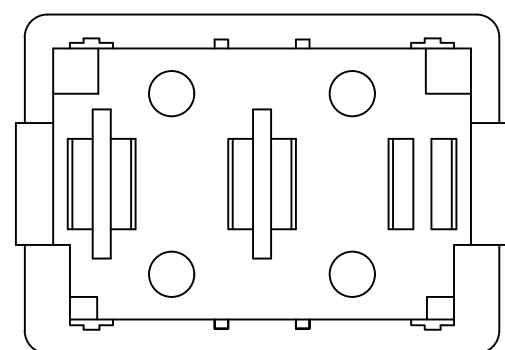
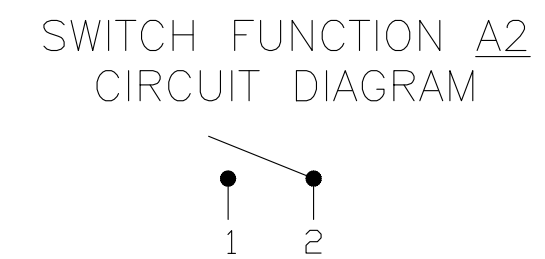
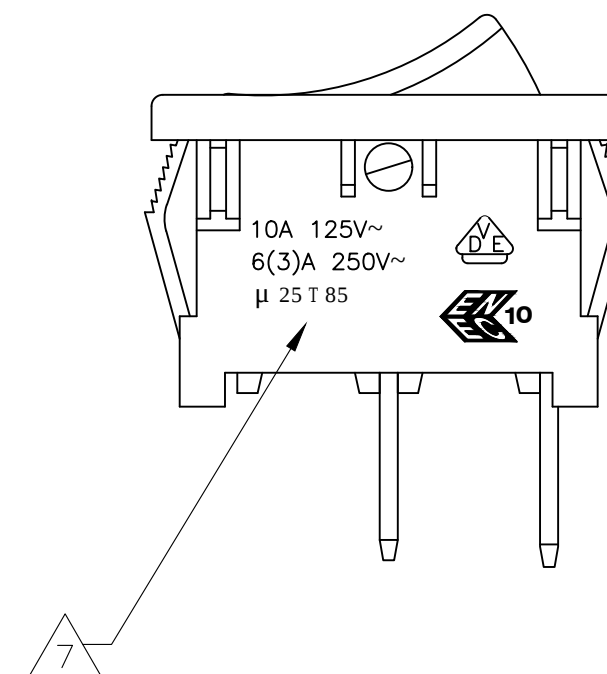


1–1571076–2 SHOWN

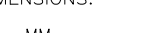
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002		 TE Connectivity				
DIMENSIONS: MM		CHK J.MOSIER						
		APVD —		NAME POWER ROCKER SWITCH, 13.0mm X 19.2mm PANEL SIZE SPST 2 TERMINALS NON-ILLUMINATED				
		PRODUCT SPEC NOT APPLICABLE						
		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± 0.30 2 PLC ± 0.05 3 PLC ± — 4 PLC ± — ANGLES ± —		APPLICATION SPEC NOT APPLICABLE		SIZE A2		
		MATERIAL 		WEIGHT 0				
FINISH 		CUSTOMER DRAWING		DRAWING NO C-1571076				
							RESTRICTED TO —	
				SCALE 3:1				
							SHEET 2 of 4	
				REV J5				



2.00–3.00	19.8–0.1	13.0+0.1
1.25–2.00	19.4–0.1	13.0+0.1
0.75–1.25	19.2–0.1	13.0+0.1
PANEL THICKNESS	X	Y



OBSOLETE ~~6-1571076-7~~ SHOWN
(WITH DUAL COLOR ROCKER BUTTON)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002 CHK J.MOSIER APVD —		 TE Connectivity	
DIMENSIONS: MM 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± 0.30 2 PLC ± 0.05 3 PLC ± — 4 PLC ± — ANGLES ± —		NAME POWER ROCKER SWITCH, 13.0mm X 19.2mm PANEL SIZE SPST 2 TERMINALS NON-ILLUMINATED	
MATERIAL 		FINISH 		SIZE A2	
		WEIGHT —		CAGE CODE 00779	
		CUSTOMER DRAWING		DRAWING NO C-1571076	
				RESTRICTED TO —	
				SCALE 3:1 SHEET 3 of 4 REV .15	

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

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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

B - BLACK

G - GREEN

R - RED

W - WHITE

NUMBER OF POLES: X₄ = S - SINGLE

LEGEND TEXT PATTERN: X₁₃ =

Ø

A

B

C

H

J

G

SWITCH FUNCTION: X₅X₆ =

A1 - ON-OFF, WITH OPAQUE, SINGLE-COLOR ROCKER BUTTON

A2 - ON-OFF, WITH OPAQUE, DUAL-COLOR ROCKER BUTTON

A3 - (ON)-OFF, WITH OPAQUE, SINGLE-COLOR ROCKER BUTTON

LEGEND TEXT COLOR: X₁₄ = Ø - NOT APPLICABLE

G - GREEN

R - RED

B - BLACK

W - WHITE

CURRENT RATING: X₇X₈ = 16 - △6

TERMINAL TYPE: X₉ = F - QC TAB

L - SOLDER LUG

FRAME COLOR: X₁₀ = B - BLACK

W - WHITE

ROCKER COLOR: X₁₁ = B - BLACK

G - GREEN

R - RED

W - WHITE

1

MATERIALS:

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

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

PLUNGER: COPPER ALLOY PER ASTM B036

SPRING: STEEL WIRE PER ASTM A228/A228M

CONTACT: SILVER-TIN OXIDE

BOTTOM PLATE(SOLDER LUG OPTION): PHENOLIC LAMINATE

2

FINISH:

TERMINAL, ACTIVE CONTACTOR: 1.0µm MIN SILVER

PLUNGER: 3.0µm MIN NICKEL

3

ELECTRICAL SPECIFICATIONS:

CURRENT AND VOLTAGE: △6

CONTACT RESISTANCE (INITIAL): <100mΩ (5V, 1A DC)

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)

DEGREE OF PROTECTION: IP40

4

MECHANICAL SPECIFICATIONS:

ACTUATING FORCE: 150g MIN, 650g MAX

OPERATING LIFE ENDURANCE: >100,000 OPERATIONS

TERMINAL RETENTION FORCE: >2.5kg- SOLDER LUG

>6.8kg- 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 ½HP / 10A@250VAC ½HP

ENEC: 10A 125V~, 6(3)A 250V~ µ25T85.

7

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

8

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

9

COMPONENT RECOGNIZED TO EUROPEAN STANDARDS, (ENEC & VDE). MARKS LICENSE NO. 40006757.

10

ROHS 2002/95/EC COMPLIANT.

11

TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN

OBSOLETE	3	PRASA2-16F-BBRBR	6-1571076-7
	2	PRASA1-16L-BR000	6-1571076-6
	1	PRASA1-16F-BR000	6-1571076-5
	2	PRASA1-16L-BR0BW	3-1571076-0
	1	PRASA3-16F-BB000	2-1571076-6
	1	PRASA3-16F-BB0JW	2-1571076-1
OBSOLETE	1	PRASA1-16F-BB0HW	2-1571076-0
	2	PRASA1-16L-BB0CW	1-1571076-4
OBSOLETE	2	PRASA1-16L-BB0BW	1-1571076-3
	2	PRASA1-16L-BB000	1-1571076-2
	1	PRASA1-16F-BB0CW	1-1571076-1
	1	PRASA1-16F-BB0BW	1-1571076-0
	1	PRASA1-16F-BB000	1571076-9
SHEET REF.		LEGACY PART NUMBER	PART NUMBER

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

1

DWN 25FEB2002

CHK M.BINNER

APVD J.MOSIER

PRODUCT SPEC

NOT APPLICABLE

APPLICATION SPEC

NOT APPLICABLE

WEIGHT 0.000000

CUSTOMER DRAWING

NAME

POWER ROCKER SWITCH, 13.0mm X 19.2mm

PANEL SIZE SPST 2 TERMINALS NON-ILLUMINATED

SIZE A2

CAGE CODE 00779

DRAWING NO. 1571076

RESTRICTED TO

SCALE 3:1

SHEET 4 of 4

REV J5

TE Connectivity

1571076

1471-9 (1/15)