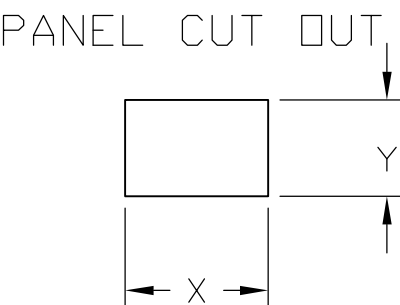
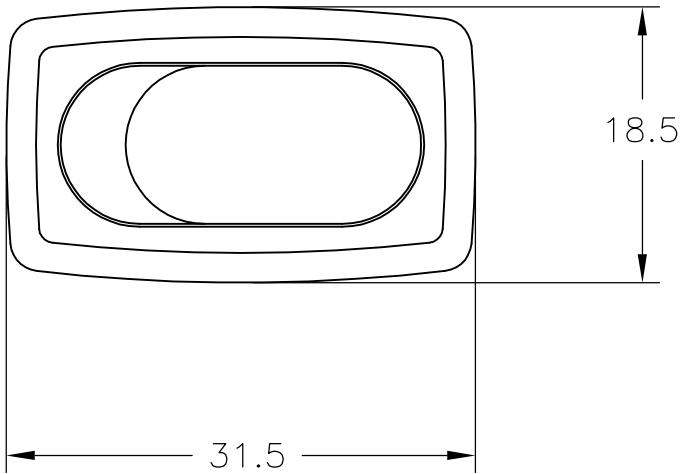


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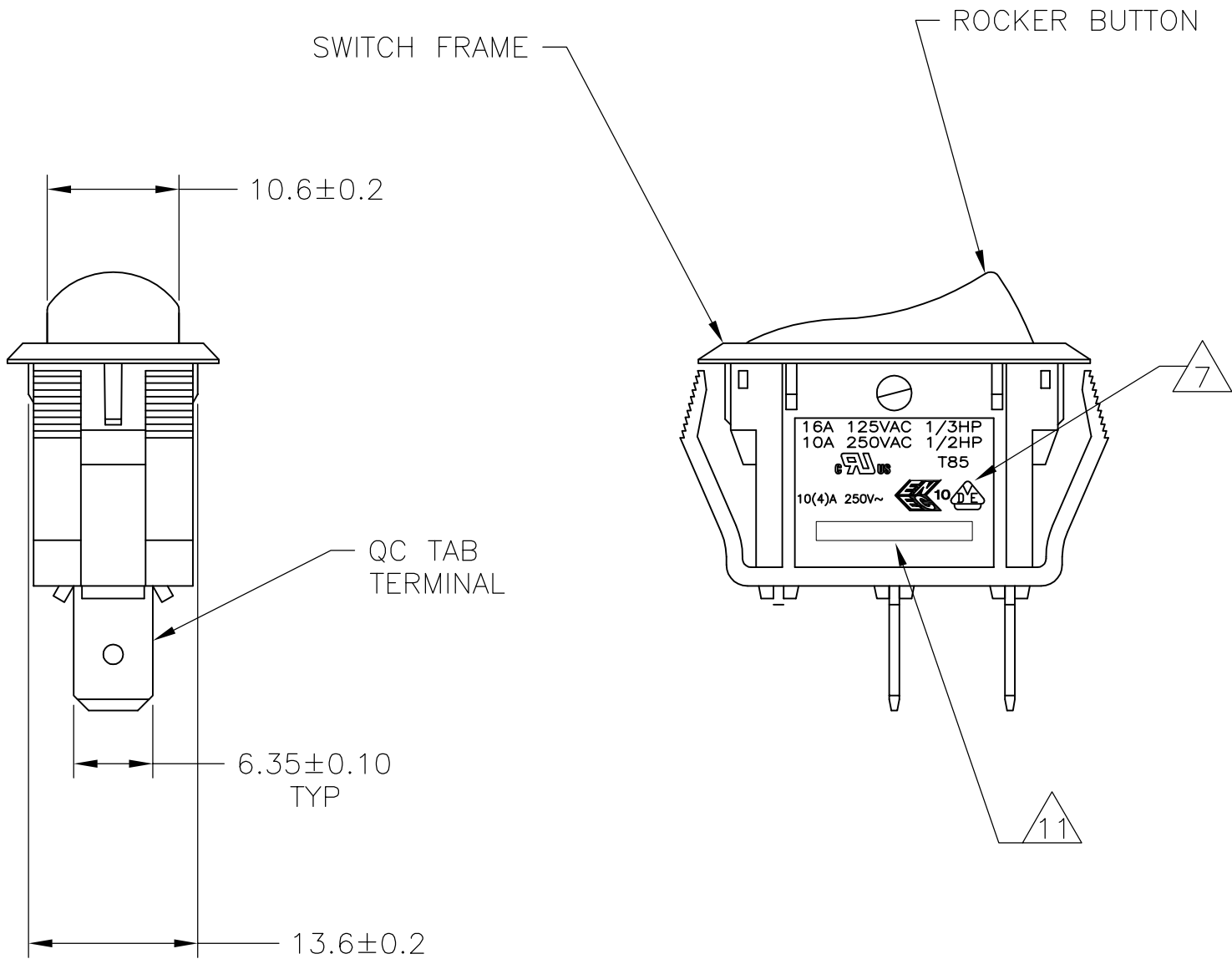
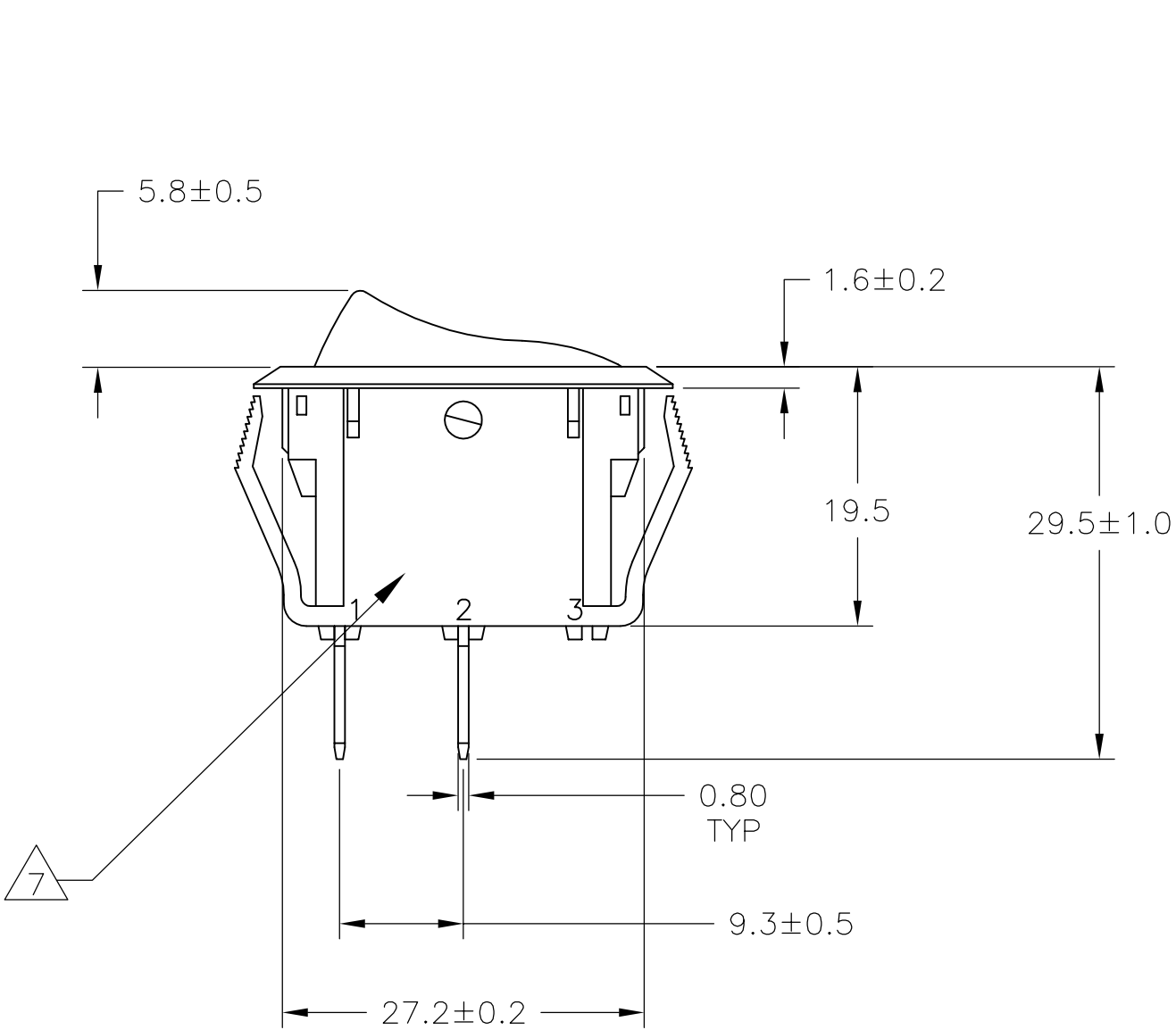
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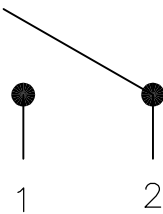
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F2	REVISED PER ECO-11-004917	11MAR11	RK	HMR
	F3	REVISED PER ECO-16-017354	07MAR2017	RK	AS



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 FUCTION A1
CIRCUIT DIAGRAM



1571091-1 SHOWN

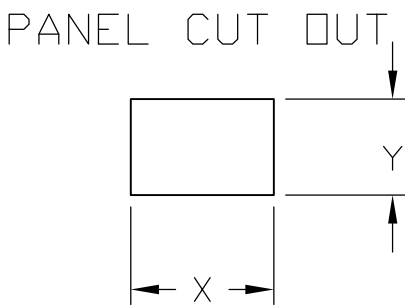
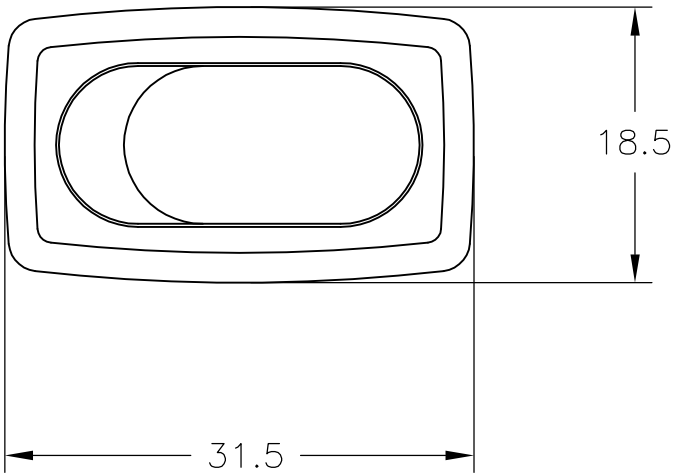
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BSV 01APR04	TE Connectivity	
DIMENSIONS: mm		CHK J.MOSIER		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD JP	NAME	
0 PLC ± -		PRODUCT SPEC		
1 PLC ± 0.30		APPLICATION SPEC	POWER ROCKER SWITCH 13.8mmX27.6mm PANEL SIZE SPST, 2 TERMINALS, NON-ILLUMINATED	
2 PLC ± 0.05		WEIGHT		
3 PLC ± -		CUSTOMER DRAWING	SIZE A2	CAGE CODE 00779
4 PLC ± -		SCALE 1:1	DRAWING NO. C-1571091	RESTRICTED TO -
ANGLES ± -		SHEET 1 of 3	REV F3	
FINISH				

THIS DRAWING IS UNPUBLISHED.

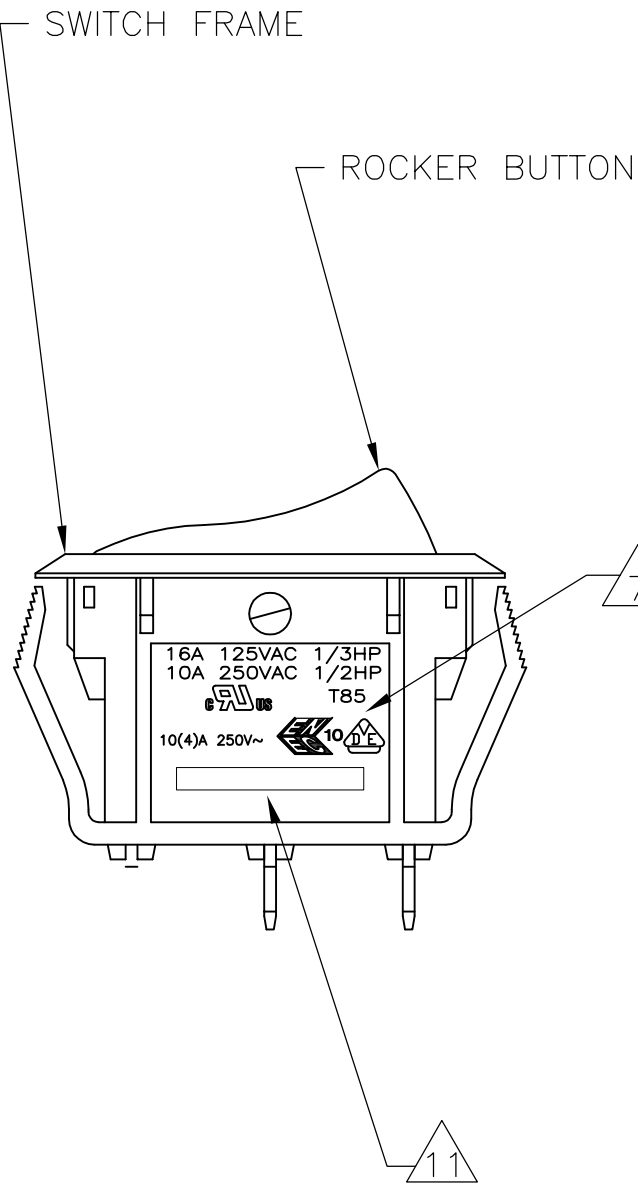
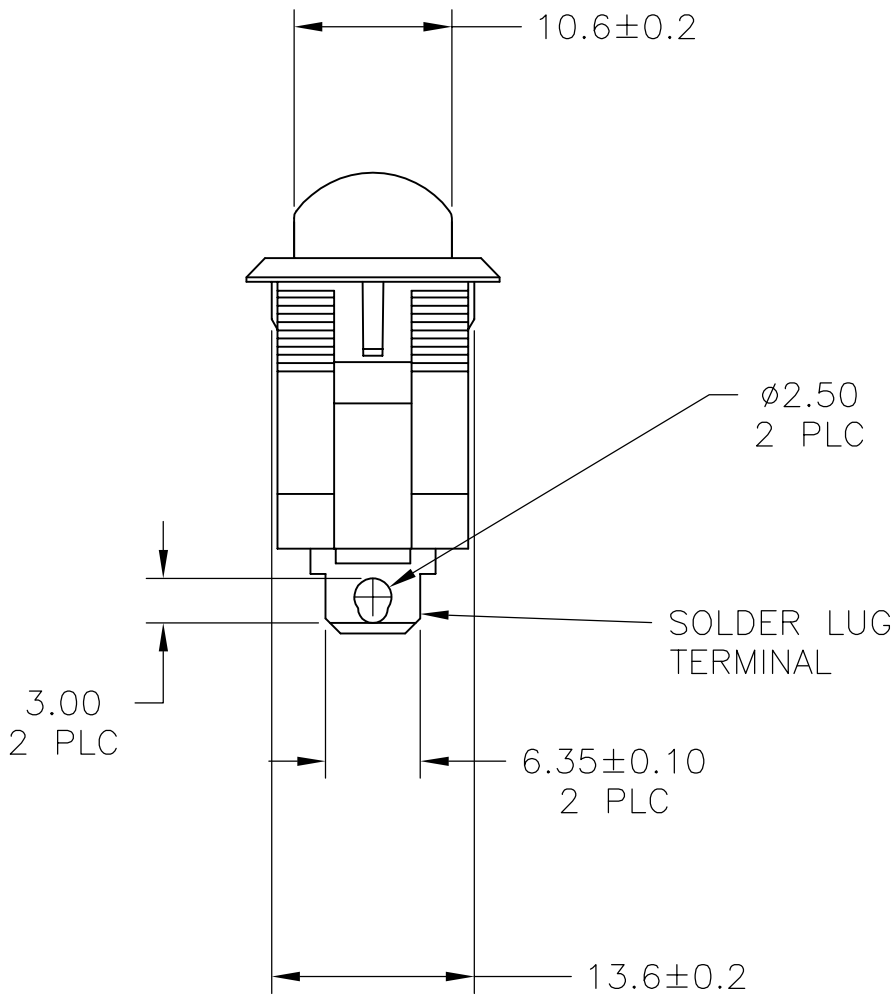
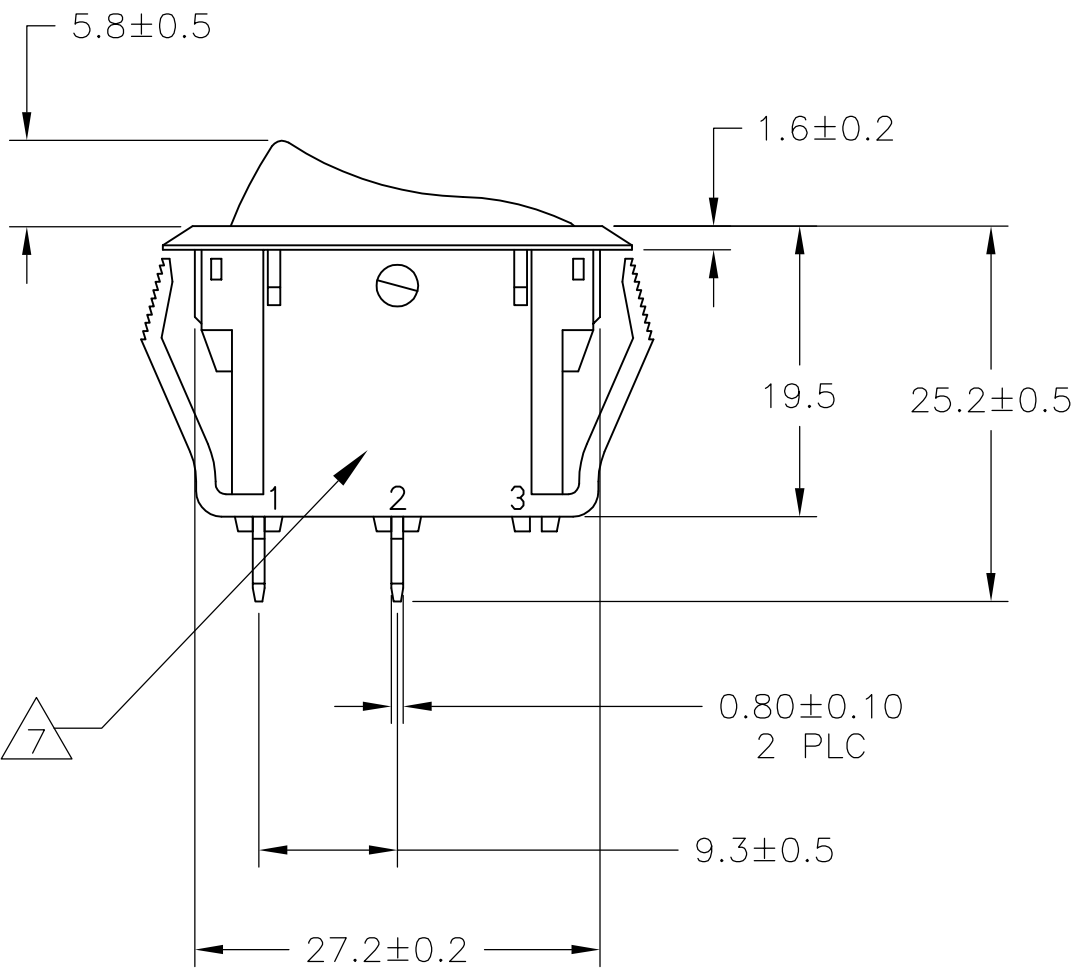
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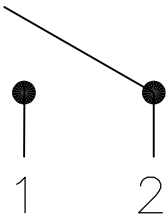
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—



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 FUCTION A1
CIRCUIT DIAGRAM



1571091–4 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN — BSV 01APR04	TE Connectivity		
DIMENSIONS: mm		CHK — J.MOSIER			
		APVD — JP	NAME POWER ROCKER SWITCH 13.8mmX27.6mm PANEL SIZE SPST, 2 TERMINALS, NON-ILLUMINATED		
		PRODUCT SPEC —			
		APPLICATION SPEC —			
MATERIAL		WEIGHT 0	SIZE A2	CAGE CODE 00779	DRAWING NO. C-1571091
FINISH		CUSTOMER DRAWING		SCALE 1:1	SHEET 2 of 3
				REV F3	

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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 = B — 13.8x27.6

NUMBER OF POLES: X₄ = S — SINGLE

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

LEGEND TEXT PATTERN: X₁₃ =

Ø

A

B

C

H

CURRENT RATING: X₇X₈ = 16 —

LEGEND TEXT COLOR: X₁₄ = Ø — NOT APPLICABLE

TERMINAL TYPE: X₉ = F — QC TAB

G — GREEN

R — RED

B — BLACK

W — WHITE

FRAME COLOR: X₁₀ = B — BLACK

W — WHITE

ROCKER COLOR: X₁₁ = B — BLACK

G — GREEN

R — RED

W — WHITE

1

MATERIALS:

ROCKER BUTTON & HOUSING: 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

2

FINISH:

ACTIVE CONTACTOR & TERMINALS: 1.0µm MIN SILVER

PLUNGER: 3.0µm MIN NICKEL

3

ELECTRICAL SPECIFICATIONS:

CURRENT & VOLTAGE

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 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)

6

UL: 16A@125VAC 1/3HP / 10A@250VAC 1/2HP

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

COMPONENT–RECOGNIZED TO US & CANADIAN STANDARDS

UL FILE NO. E46765

9

COMPONENT–RECOGNIZED TO EUROPEAN STANDARDS

(ENEC & VDE) MARKS LICENSE NO 40020315

10

ROHS 2002/95/EC COMPLIANT

11

TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN

OBSOLETE

1

PRBSA1–16F–BROHW

6–1571091–0

2

PRBSA1–16L–BR000

5–1571091–8

1

PRBSA1–16F–BR000

5–1571091–7

1

PRBSA1–16F–BW0HB

1–1571091–2

1

PRBSA1–16F–BW000

1–1571091–1

1

PRBSA1–16F–BB0HW

1571091–9

OBSOLETE

2

PRBSA1–16L–BB0CW

1571091–6

2

PRBSA1–16L–BB0BW

1571091–5

2

PRBSA1–16L–BB000

1571091–4

1

PRBSA1–16F–BB0CW

1571091–3

1

PRBSA1–16F–BB0BW

1571091–2

1

PRBSA1–16F–BB000

1571091–1

SHEET REF.

LEGACY PART NUMBER

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
BSV

CHK
J.MOSIER

APVD
JP

PRODUCT SPEC
—

APPLICATION SPEC
—

WEIGHT
—

CUSTOMER DRAWING

DIMENSIONS:

mm

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± –

1 PLC ± 0.30

2 PLC ± 0.05

3 PLC ± –

4 PLC ± –

ANGLES ± –

FINISH

—

01APR04

TE Connectivity

NAME

POWER ROCKER SWITCH 13.8mmX27.6mm

PANEL SIZE SPST, 2 TERMINALS, NON–ILLUMINATED

SIZE
A2

CAGE CODE
00779

DRAWING NO
1571091

RESTRICTED TO

—

SCALE
1:1

SHEET
3 of 3

REV
F3

1471–9 (1/15)

Mouser Electronics

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