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LOCAD

DIST00

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F1	REVISED PER ECO-10-005254	18MAR10	HMR	NE

31.5

29.3

PANEL CUT OUT

Y

X

5.00-6.30	28.6-0.1	25.4+0.1
3.00-5.00	28.0-0.1	25.4+0.1
0.75-3.00	27.6-0.1	25.4+0.1
PANEL THICKNESS	X	Y

SWITCH FUNCTION A1

CIRCUIT DIAGRAM

1

2

4

5

4.8±0.5

1.6±0.2

22.5

32.5±1.0

0.80

4 PLC

9.3±0.5

TYP

27.4±0.2

16A 125VAC 1/3HP

10A 250VAC 1/2HP

T85

10(4)A 250V~

1

2

3

7

11

6.35±0.10

4 PLC

12.0±0.5

TYP

25.2±0.2

QC TAB

TERMINAL

7

SWITCH FRAME

ROCKER BUTTON

1571103-2 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:MM

MATERIAL

1

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC± -

1 PLC± 0.30

2 PLC± 0.05

3 PLC± -

4 PLC± -

ANGLES± -

FINISH2

DWNBSV07APR04

CHKJ.MOSIER-

APVDJP-

PRODUCT SPECNOT APPLICABLE

APPLICATION SPECNOT APPLICABLE

WEIGHT-

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics Corporation

Harrisburg, PA 17057

NAME

POWER ROCKER SWITCH, 25.4mm X 27.6mm

PANEL CUT-OUT SIZE, DOUBLE POLE, SINGLE THROW

FOUR TERMINALS, NON-ILLUMINATED

SIZEA2

CAGE CODE00779

DRAWING NOC=1571103

RESTRICTED TO-

SCALE2:1

SHEET1 OF 2

REV F1

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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 = D — 25.4x27.6

NUMBER OF POLES: X₄ = D — DOUBLE

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

LEGEND TEXT PATTERN: X₁₃ =

CURRENT RATING: X₇X₈ = 16 —

TERMINAL TYPE: X₉ = E — QC TAB

FRAME COLOR: X₁₀ = B — BLACK
W — WHITE

ROCKER COLOR: X₁₁ = B — BLACK
G — GREEN
R — RED
W — WHITE

LEGEND TEXT COLOR: X₁₄ = Ø —NOT APPLICABLE
G — GREEN
R — RED
B — BLACK
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:

TERMINAL, ACTIVE CONTACTOR: 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: 850g MIN, 1250g MAX

OPERATING LIFE ENDURANCE: >100,000 OPERATIONS

TERMINAL STRENGTH : >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, AND THE TYCO/ELECTRONICS LOGO MOLDED APPROXIMATELY AS SHOWN ON THE SIDES OF THE SWITCH HOUSING.

8

COMPONENT RECOGNIZED TO US & CANDIAN STANDARDS.

UL FILE NO. E46765

9

COMPONENT–RECOGNIZED TO EUROPEAN STANDARDS

(ENEC & VDE) MARKS LICENSE NO 40020317

10

ROHS 2002/95/EC COMPLIANT

11

TYCO ELECTRONICS LOGO LOCATED APPROXIMATELY AS SHOWN

PRDDA1–16F–BR0HW	5–1571103–6
PRDDA1–16F–BR000	5–1571103–4
PRDDA1–16F–BB0HW	1571103–5
PRDDA1–16F–BB0CW	1571103–3
PRDDA1–16F–BB0BW	1571103–2
PRDDA1–16F–BB000	1571103–1
LEGACY PART NUMBER	PART NUMBER

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MM

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SCALE

1:1

SHEET

2

OF

2

REV

F1

AMP 1471–9 REV 31MAR2000

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[PRDDA1-16F-BB0HW](#)