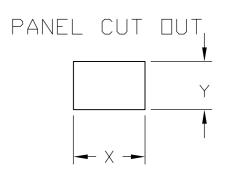


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		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F2	REVISED PER ECO-11-004917	11MAR11	RK	HMR
	F3	REVISED PER ECO-16-017354	07MAR2017	RK	AS

1



SWITCH FUCTION A1

CIRCUIT DIAGRAM

2

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	Х	Y

THIS DRAWING IS A CO	ONTROLLED DOCUMENT.	DWN 01APR04 BSV	
		CHK –	TE Connectivity
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD -	NAME
mm		PRODUCT SPEC	-
\oplus	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	APPLICATION SPEC	POWER ROCKER SWITCH 13.8mmX27.6mm PANEL SIZE SPST, 2 TERMINALS, NON-ILLUMINATED
\downarrow \frown	$\begin{array}{cccc} \text{3 FLC} & \pm & -\\ \text{4 FLC} & \pm & -\\ \text{ANGLES} & \pm & -\\ \end{array}$	_	SIZE CAGE CODE DRAWING NO RESTRICTED TO
	FINISH	WEIGHT	A2 00779 C- 1571091 -
<u> </u>	<u>/2</u>	CUSTOMER DRAWING	SCALE 1:1 SHEET 1 OF 3 F3

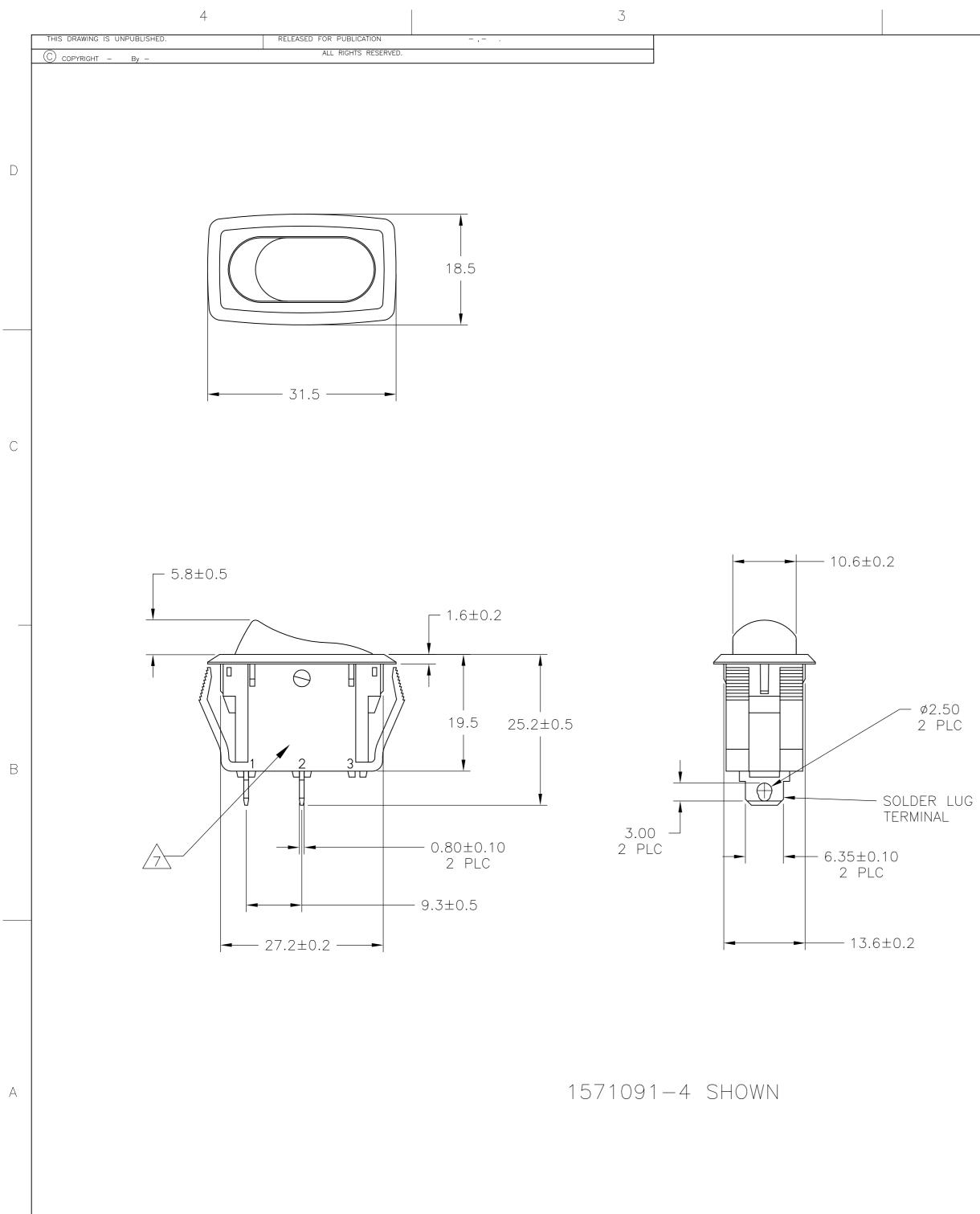
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		P	LTR		DESCRIPTION	DATE	DWN
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					PANEL CUT DUT	-	
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					→ X →		
	4.00-	5.00	C		28.0-0.1	13.8+0.1	
	3.00-	4.0	0		27.8-0.1	13.8+0.1	
	0.75-	3.0	0		27.6-0.1	13.8+0.1	
	PANEL THI	CKN	IESS	3	Х	Y	
SWITCH FRAME							
	BUTTON						
	DOTION						
					SWITCH FUC	fion A1	
					CIRCUIT DIA		
					•	•	
					1	2	
16A 125VAC 1/3HP							
16A 125VAC 1/3HP 10A 250VAC 1/2HP @20.00 T85	//						
10(4)A 250V~							
	1						

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01APR04 dwn BSV THIS DRAWING IS A CONTROLLED DOCUMENT. -E TE TE Connectivity А J.MOSIER APVD DIMENSIONS: TOLERANCES UNLESS OTHERWISE SPECIFIED: JP PRODUCT SPEC mm 0 PLC 1 PLC 2 PLC 3 PLC 4 PLC $\begin{array}{cccc} \pm & - \\ \pm & 0.30 \\ \pm & 0.05 \\ \pm & - \\ \pm & - \\ \pm & - \\ \pm & - \end{array}$ POWER ROCKER SWITCH 13.8mmX27.6mm ÐE ____ PANEL SIZE SPST, 2 TERMINALS, NON-ILLUMINATED SIZE CAGE CODE DRAWING NO RESTRICTED TO APPLICATION SPEC RESTRICTED TO _ IGLES A2 00779 **C-**1571091 MATERIAL FINISH WEIGHT ____ 0 $\overline{1}$ 2SCALE 1:1 SHEET <u>2 of 3</u> F3 CUSTOMER DRAWING

\sim	RELEASED FOR PUBLICATION -,			REVISIONS	
С соругіднт – ву –	ALL RIGHTS RESERVED.		P LTR	DESCRIPTION DATE	DWN
			– SEE SHEET 1	1 –	_
	L	_EGACY PART NUMBER			
	$X_1 X_2 X_3 X_4 X_5 X_6 $ —	$- X_7 X_8 X_9 - X_{10} X_{11} X_{12} X_{13} X_{14}$			
	<u> </u>				
	SWITCH TYPE: $X_1 X_2 = \underline{PR} - POWER ROCKER$	SECONDARY ROCKER COLOR: $X_{12} = \underline{\emptyset}$ - NOT APPLIC	ABLE		
	NOMINAL PANEL CUT OUT SIZE: $X_3 = \underline{B} - 13.8 \times 27$.	.6			
	NUMBER OF POLES: $X_4 = \underline{S} - SINGLE$				
	SWITCH FUNCTION: $X_5 X_6 = A_1 - ON - OFF$, with op Single-Color RC		СН		
	CURRENT RATING: X7 X8 = $16 - 6$				
	TERMINAL TYPE: $X_9 = \underline{F} - QC$ TAB				
	<u>L</u> – SOLDER LUG	LEGEND TEXT COLOR: $X_{14} = \underline{\emptyset}$ - NOT APPLICABLE			
	FRAME COLOR: $X_{10} = \underline{B} - BLACK$	$\frac{G}{R} - RED$			
	\underline{W} – White	<u>B</u> – BLACK			
	ROCKER COLOR: $X_{11} = \underline{B} - BLACK$ <u>G</u> - GREEN	$\underline{W} - WHITE$			
	\overline{R} – RED W – WHITE				
∧ 1∖ <u>MATERIALS:</u>		5. <u>Environmental specifications:</u> Ambient temperature: −20°C to +85°C Humidity: Max 85% Salt spray: No remakable rust in metal parts. (5%salt /	/ 35°C 24HRS)		
ROCKER BUTTO TERMINAL, ACTI	N & HOUSING: NYLON 66, UL 94 V-2. VE CONTACTOR: COPPER ALLOY PER ASTM B152/B152M	SHOCK: NO MECHANICAL DEFECT OR DAMAGE. (100g / 10MSEC VIBRATION: NO MECHANICAL DEFECT OR DAMAGE. (10-55Hz /1.	C/ X,Y,Z 3 TIMES)		
SPRING: STEEL	PER ALLOY PER ASTM B036 WIRE PER ASTM A228/A228M	0 UL: 16A@125VAC 1/3HP / 10A@250VAC 1/2HP			
CONTACT: SILVE	-R-IIN OXIDE	ENEC: 10(4)A 250V~	1	PRBSA1-16F-BROHW 6-157	
		\wedge		PRBSA1-16L-BR000 5-157	1091-
FINISH.		27 ELECTRICAL RATINGS, APPROVED AGENCY LOGOS, TERMINAL		PRBSA1-16F-BR000 5-157	
ACTIVE CONTAC	tor & terminals: 1.0µm Min Silver m Min Nickfi	ZA ELECTRICAL RATINGS, APPROVED AGENCY LOGOS, TERMINAL IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN C SIDES OF THE SWITCH HOUSING.	DN THE 1	PRBSA1-16F-BWOHB 1-157	
		IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN C SIDES OF THE SWITCH HOUSING. 8. COMPONENT-RECOGNIZED TO US & CANADIAN STANDARDS	DN THE	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710	1091- 091-9
active contac Plunger: 3.0µ	m MIN NICKEL	IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN C SIDES OF THE SWITCH HOUSING. 8. COMPONENT-RECOGNIZED TO US & CANADIAN STANDARDS UL FILE NO. E46765	ON THE 1 1 1 0BSOLETE 2	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157	71091- 091-9 091-9
ACTIVE CONTAC PLUNGER: 3.0µ . <u>Electrical sp</u> Current & VC	ECIFICATIONS:	IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN C SIDES OF THE SWITCH HOUSING. 8. COMPONENT-RECOGNIZED TO US & CANADIAN STANDARDS		PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710	71091- 091-9 091-9 091-9 091-9
ACTIVE CONTAC PLUNGER: 3.0µ . <u>Electrical sp</u> Current & VC Contact resis	m MIN NICKEL <u>ECIFICATIONS:</u> DLTAGE STANCE (INITIAL): <50mΩ	IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN C SIDES OF THE SWITCH HOUSING. 8. COMPONENT-RECOGNIZED TO US & CANADIAN STANDARDS UL FILE NO. E46765 9. COMPONENT-RECOGNIZED TO EUROPEAN STANDARDS		PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710	71091- 091-9 091-9 091-9 091-4 091-3
ACTIVE CONTAC PLUNGER: 3.0µ . <u>Electrical sp</u> Current & VC Contact resis Dielectric str Insulation res	m MIN NICKEL <u>ECIFICATIONS:</u> DLTAGE 6 STANCE (INITIAL): <50mΩ RENGTH (INITIAL): >1000 VAC, 1 MINUTE SISTANCE (INITIAL): >100MΩ MIN (500VDC BETWEEN OPEN CO	 IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN CONSIDES 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 	1 1 1 0BSOLETE 2 1 1 1 1 1 1 1 1	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710	1091- 091- 091- 091- 091- 091- 091- 091-
ACTIVE CONTAC PLUNGER: 3.0µ . <u>ELECTRICAL SP</u> CURRENT & VO CONTACT RESIS DIELECTRIC STR INSULATION RES INRUSH CURRE ELECTRICAL LIF	m MIN NICKEL $ \underline{ECIFICATIONS:}_{6} \\ DLTAGE \\ \underline{6} \\ STANCE (INITIAL): <50m\Omega \\ RENGTH (INITIAL): >1000 VAC, 1 MINUTE \\ SISTANCE (INITIAL): >100M\Omega MIN (500VDC BETWEEN OPEN CO \\ NT: 50A / 3msec (CAPACITIVE LOAD) \\ \underline{6} E ENDURANCE: >6000 OPERATIONS, $	 IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN CONTACTS) 		PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0D0 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710	1091- 091-9 091-6 091-5 091-2 091-2 091-2
ACTIVE CONTAC PLUNGER: 3.0µ . <u>ELECTRICAL SP</u> CURRENT & VC CONTACT RESIS DIELECTRIC STR INSULATION RES INRUSH CURRE ELECTRICAL LIF	m MIN NICKEL	 IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN CONSIDES 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 ONTACTS) 11. TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN 	CUMENT.	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0D0 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0D0 15710 PRBSA1-16F-BB0D0 15710	1091- 091- 091- 091- 091- 091- 091- 091-
ACTIVE CONTAC PLUNGER: 3.0µ 3. <u>ELECTRICAL SP</u> CURRENT & VO CONTACT RESIS DIELECTRIC STR INSULATION RES INRUSH CURRE ELECTRICAL LIF TEMPERATURE	$\frac{\text{ECIFICATIONS:}}{\text{OLTAGE}}$ $\frac{6}{\text{OLTAGE}}$ $\frac{6}{OLTAG$	 IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN CONSIDES 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 ONTACTS) 11. TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN 	CUMENT. DWN 01APR04 BSV 01APR04 J.MOSIER APVD - NAME	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0BW 15710	1091- 091- 091- 091- 091- 091- 091- 091-
 ACTIVE CONTAC PLUNGER: 3.0μ <u>ELECTRICAL SP</u> CURRENT & VO CONTACT RESIS DIELECTRIC STR INSULATION RES INRUSH CURRE ELECTRICAL LIF TEMPERATURE <u>MECHANICAL SF</u> ACTUATING FOR 	$\frac{\text{ECIFICATIONS:}}{6}$ $\frac{6}{6}$ STANCE (INITIAL): <50mΩ RENGTH (INITIAL): <1000 VAC, 1 MINUTE SISTANCE (INITIAL): >100MΩ MIN (500VDC BETWEEN OPEN CO NT: 50A / 3msec (CAPACITIVE LOAD) TE ENDURANCE: >6000 OPERATIONS, RISE AT TERMINALS: <30°C, 6000 OPERATIONS (AMBIENT CONDITIONS: 25±2°C AND 65± $\frac{\text{PECIFICATIONS:}}{\text{RCE: 300g MIN, 700g MAX}}$	 IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN CONSIDES 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 ONTACTS) 11. TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN ±5%R.H) 	CUMENT. DWN 01APR04 DWN 01APR04 CHK - J.MOSIER APVD - PRODUCT SPEC 30 05	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB000 15710 PRBSA1-16F-BB07 TE Connective NUMBER NUM POWER ROCKER SWITCH 13.8mmX27.4	1091-9 091-9 091-9 091-9 091-2 091-2 091-2 091-2 vity
 ACTIVE CONTAC PLUNGER: 3.0µ 3. <u>ELECTRICAL SP</u> CURRENT & VO CONTACT RESIS DIELECTRIC STR INSULATION RES INRUSH CURRE ELECTRICAL LIF TEMPERATURE 4. <u>MECHANICAL SF</u> ACTUATING FOR 	MIN NICKEL <u>ECIFICATIONS:</u> OLTAGE STANCE (INITIAL): <50mΩ RENGTH (INITIAL): >1000 VAC, 1 MINUTE SISTANCE (INITIAL): >100MΩ MIN (500VDC BETWEEN OPEN CO NT: 50A / 3msec (CAPACITIVE LOAD) E ENDURANCE: >6000 OPERATIONS, RISE AT TERMINALS: <30°C, 6000 OPERATIONS (AMBIENT CONDITIONS: 25±2°C AND 65± <u>PECIFICATIONS:</u> RCE: 300g MIN, 700g MAX E ENDURANCE: >100,000 OPERATIONS	 IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN CONSIDES 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 ONTACTS) 10. TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN ±5%R.H) 	CUMENT. DWN 01APRO4 CUMENT. DWN 01APRO4 CUMENT. DWN 01APRO4 CHK - JP - PRODUCT SPEC 30 - APPLICATION SPEC PA size	PRBSA1-16F-BW0HB 1-157 PRBSA1-16F-BW000 1-157 PRBSA1-16F-BB0HW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0BW 15710 PRBSA1-16L-BB0CW 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0CW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-16F-BB0BW 15710 PRBSA1-NUMBER NUM	1091-9 091-9 091-9 091-9 091-2 091-2 091-2 091-2 vity

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TE Connectivity: PRBSA1-16F-BB0HW