



2	COPPER ALLOY	SILVER PLATING	3 $\mu$ m MIN	4	PP		
1	PBT	RED	UL94V-0	3	PBT	BLACK	UL94V-0
NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
UNITS mm	SCALE 1 : 1	COUNT 4	DESCRIPTION OF REVISIONS DIS-E-00000029	DESIGNED WR. YAMADA	CHECKED NM. NISHIMATSU	DATE 15.02.19	
			APPROVED : NM. NISHIMATSU 14.07.23	DRAWING NO. EDC3-128553-00			
			CHECKED : NM. NISHIMATSU 14.07.23	PART NO.			
			DESIGNED : WR. YAMADA 14.07.22	CODE NO.	PS3C-B-1US		
			DRAWN : WR. YAMADA 14.07.22	CL236-1063-2-00			

**HRS**  
HIROSE  
ELECTRIC  
CO., LTD.

7 CONDITION OF SAFETY STANDARD(CUL, C-UL, TUV STANDARD)

7  
TABLE 1. UL, C-UL CONDITION

	CONDITION 1	CONDITION 2
CURRENT VOLTAGE(AC/DC)	600V	
CURRENT RATING	100A	150A
CABLE	14 TO 22sq (※1)	38 TO 50sq (※1)
CREEPAGE DISTANCE(※2)	MIN:3.2mm	
CLEARANCE DISTANCE(※2)	MIN:3.2mm	

7  
TABLE 2. TUV CONDITION

	CONDITION I	CONDITION II	CONDITION III
CURRENT VOLTAGE(AC/DC)	800V	600V	1000V
	100ACCABLE 14 TO 22sq (※1)		
CURRENT RATING	125ACCABLE 38sq (※1)		
	150ACCABLE 50sq (※1)		
OVER VOLTAGE CATEGORY	II	III	
POLLUTION DEGREE		3	
CREEPAGE DISTANCE(※2)	MIN:12.6mm	MIN:12.6mm	MIN:16mm
CLEARANCE DISTANCE(※2)	MIN:6mm	MIN:6mm	MIN:8mm
INSULATION SYSTEM	BASIC INSULATION(PANEL HAS THE EARTH)		

※1 : AS SCREWS AND CRIMP TERMINAL ATTACHED WITH POWER CONTACT HAVE AN IMPACT ON THE CREEPAGE DISTANCE AND THE CLEARANCE DISTANCE, PLEASE USE RECOMMENDED SCREWS AND CRIMP TERMINALS. IN CASE YOU USE CABLES OTHER THAN FOLLOWING RECOMMENDED SCREWS AND CONTACTS, PLEASE BE CAREFUL THAT THE CREEPAGE DISTANCE AND THE CLEARANCE DISTANCE MEET THE STANDARD OF UL, C-UL, TUV.

※2 : THE COVERAGE OF THE CREEPAGE DISTANCE AND THE CLEARANCE DISTANCE IS AS FOLLOWS.

- BETWEEN PLUS POWER SUPPLY CONTACT AND MINUS POWER SUPPLY CONTACT
- BETWEEN PLUS CRIMP TERMINAL AND MINUS CRIMP TERMINAL
- BETWEEN POWER CONTACT AND PANEL
- BETWEEN CRIMP TERMINAL AND PANEL
- BETWEEN SCREWS (ATTACHED WITH POWER CONTACT) AND PANEL

NOTE 1. THE MATING PARTNER OF THIS PRODUCT IS PS3C-B-1UP(CL236-1065-8-00).

2 THE TIGHTNING TORQUE FOR THE SCREW ATTACHED WITH REF NO. ② IS 2.5 TO 5.2 N·m.  
THE RECOMMENDED SCREW AND CRIMP TERMINAL IS AS FOLLOWS.  
-RECCOMEDN SCREW: JIS B 1188 SPRING WASHER + CROSS RECESSED PAN HEAD SCREW WITH CAPTIVE POLISHED CIRCULAR WASHER M6 × 12  
-RECOMMENDED CRIMP TERMINAL  
CABLE 14sq : JIS C 2805 R14-6  
CABLE 22sq : JIS C 2805 R22-6  
CABLE 38sq : MANUFACTURED BY NICHIFU CO., LTD R38-6S  
CABLE 50sq : MANUFACTURED BY NICHIFU CO., LTD R60-6S

3 THE SCREW USED TO ATTACH REF NO. ① IS M4.  
THE TIGHTNING TORQUE FOR SCREW IS 1.2 TO 2.1 N·m.

4 SINCE THE POWER CONTACTS ARE SILVER PLATED, THEY MAY REACT WITH SULFIDE IN THE ATMOSPHER TO CHANGE THE COLOUR TO BLACKISH BROWN.

5 THE SALES UNIT IS ONE PIECE AND ONE BOX IS 60 PIECES.  
PLEASE YOUR ORDER IN UNIT OF 60 PIECES.  
PLEASE REFER ETAP-E3129.

6 PLEASE SEE THE FIGURE 1 FOR THE RECOMMENDED PANEL DIMENSION.

7 THIS ITEM IS PLANNING TO BE APPROVED BY SASFETY STANDARD(CUL, C-UL, TUV STANDARD) UNDER THE CONDITION OF TABLE 1 AND TABLE 2  
SAFETY STANDARD IS DEFERENT UP TO THE APPLIED RATED VOLTAGE AND CURRENT  
PLEASE SEE THE TABLE 1 AND TABLE 2.

8. THE POWER CONTACT OF THIES PRODUCT IS NOT APPLICABLE FOR HOT-SWAP.  
IT CAN NOT BE USED TO INTERRUPT THE POWER.

9 PLEASE MAKE SURE THE LOCK PORTION AND MATING COMPLETELY WITH PS3C-B-1UP.

	DRAWING NO.	EDC3-128553-00
	PART NO.	PS3C-B-1US
	CODE NO.	CL236-1063-2-00
		1 2 2