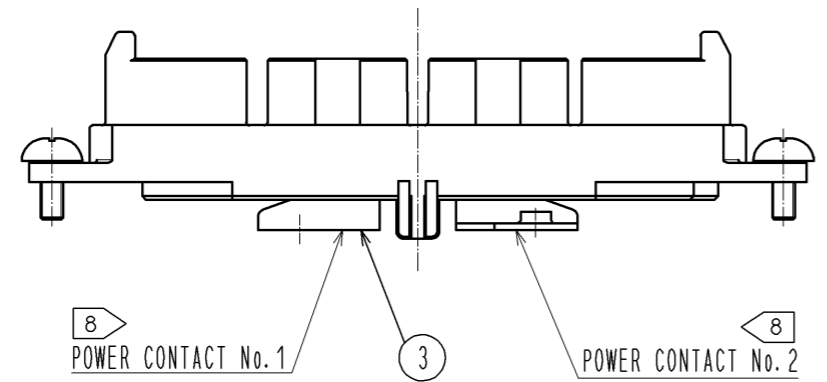
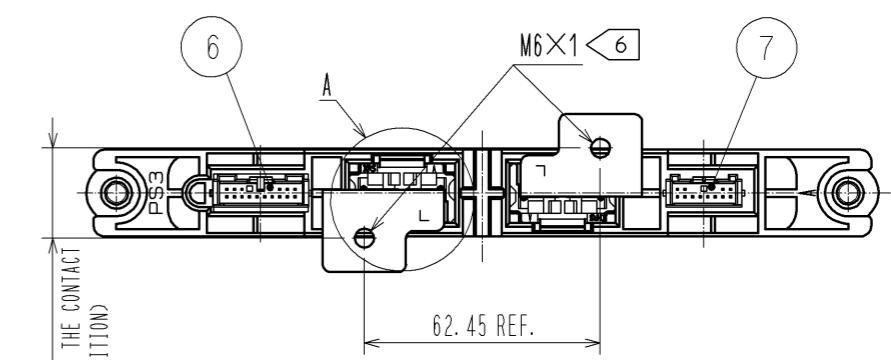
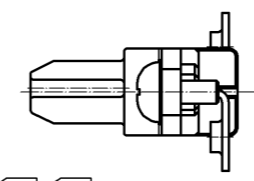
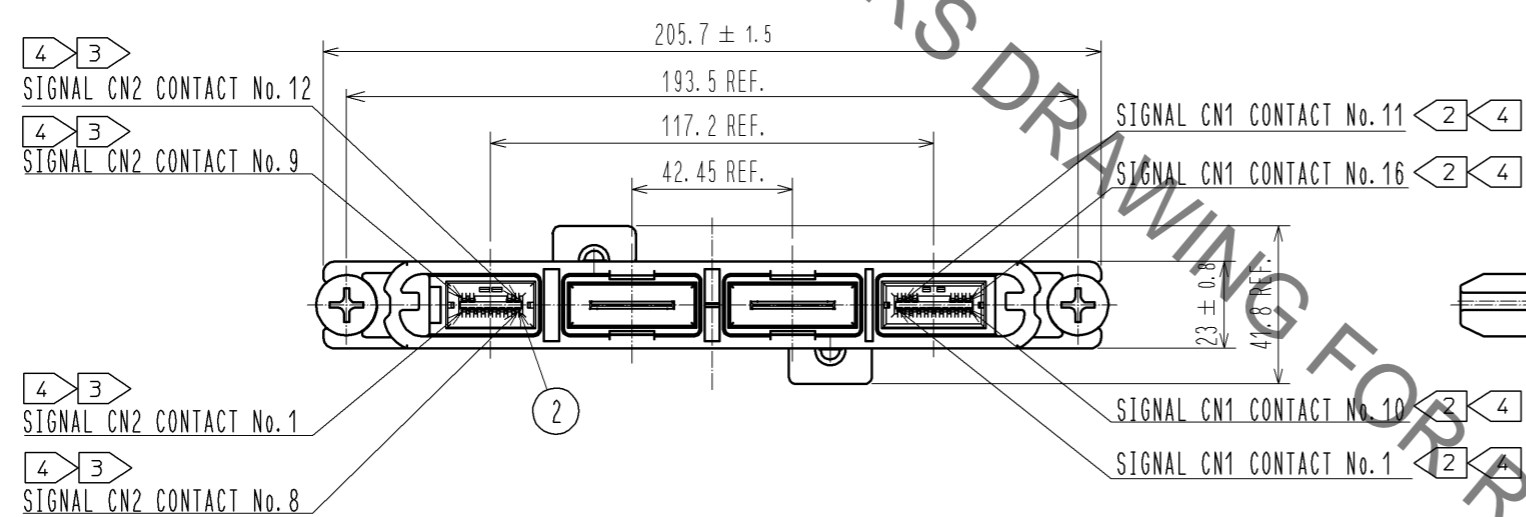
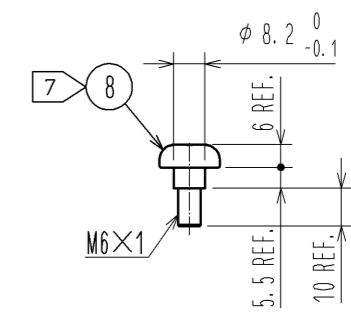
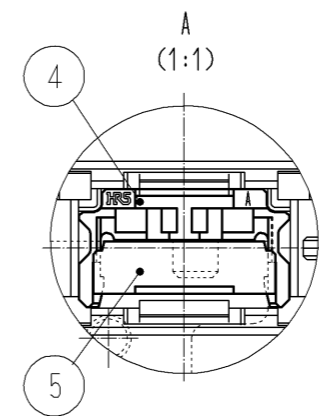
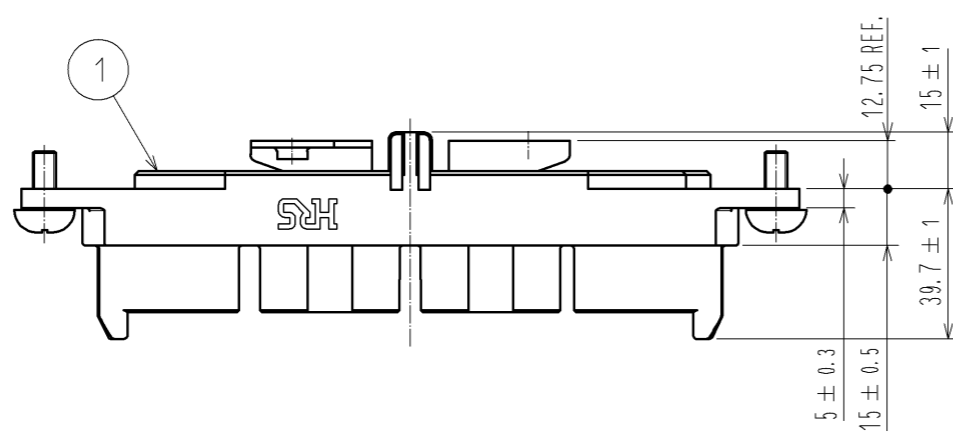


Aug.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



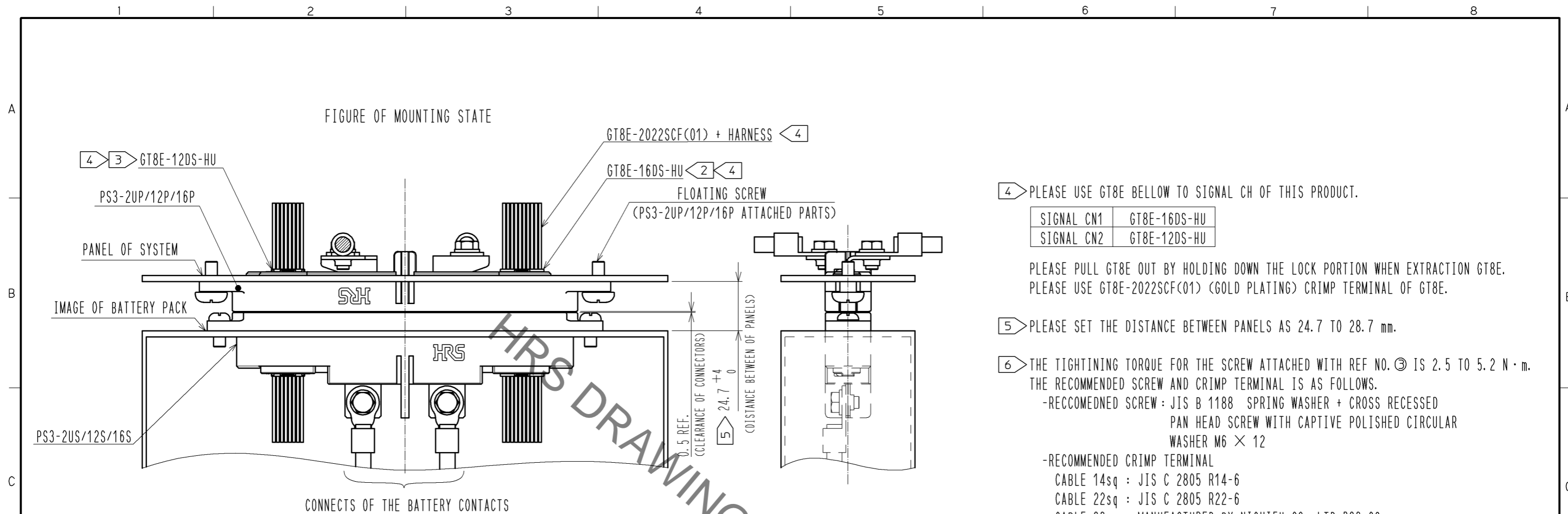
HRS DRAWING FOR REFERENCE

NO.	MATERIAL	FINISH .	REMARKS	NO.	MATERIAL	FINISH .	REMARKS
4	PBT	BLACK.	UL94V-0	8	STEEL	NICKEL PLATING 2 μm MIN.	
3	COPPER ALLOY	SILVER PLATING 3 μm MIN.		7	PBT	BLACK.	UL94V-0
2	COPPER ALLOY	GOLD PLATING 0.2 μm MIN.		6	PBT	BLACK.	UL94V-0
1	PBT	BLACK.	UL94V-0	5	PBT	BLACK.	UL94V-0

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	1 : 2	△				
APPROVED : NM. NISHIMATSU			14.10.20	DRAWING NO. EDC3-128100-00		
CHECKED : NM. NISHIMATSU			14.10.20	PART NO. PS3-2UP/12P/16P		
DESIGNED : WR. YAMADA			14.10.20	CODE NO. CL236-1044-8-00		
DRAWN : WR. YAMADA			14.10.20	1/3		

Aug.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



4 PLEASE USE GT8E BELLOW TO SIGNAL CH OF THIS PRODUCT.

SIGNAL CN1	GT8E-16DS-HU
SIGNAL CN2	GT8E-12DS-HU

PLEASE PULL GT8E OUT BY HOLDING DOWN THE LOCK PORTION WHEN EXTRACTION GT8E.  
PLEASE USE GT8E-2022SCF(01) (GOLD PLATING) CRIMP TERMINAL OF GT8E.

5 PLEASE SET THE DISTANCE BETWEEN PANELS AS 24.7 TO 28.7 mm.

6 THE TIGHTNING TORQUE FOR THE SCREW ATTACHED WITH REF NO. ③ IS 2.5 TO 5.2 N · m.  
THE RECOMMENDED SCREW AND CRIMP TERMINAL IS AS FOLLOWS.

-RECOMMENDED 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

7 THE RECOMMENDED TIGHTNING TORQUE FOR FLOATING SCREW WITH REF No. ⑧ IS 2.5 TO 5.2 N · m.

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

9. THIS PRODUCT HAS FLOATING STRUCTURE WHICH CAN BE FLOATED 2.0 mm MAX.

10. THE SALES UNIT OF THIS PRODUCT IS THE CARTON (40 PIECES)

11 THIS ITEM IS PLANNING TO BE APPROVED BY SASFETY STANDARD(CUL, C-UL, TUV STANDARD).  
WHEN USING PANEL 1 OF FIGURE 1, THE CONDITION IN TABLE 3 AND TABLE 4 ARE ELIGIBLE TO APPLY THEM.

WHEN USING PANEL 2 OF FIGURE 2, THE CONDITION IN TABLE 5 ARE ELIGIBLE TO APPLY THEM.

SAFETY STANDARD IS DEFERRENT UP TO THE APPLIED RATED VOLTAGE AND CURRENT  
PLEASE SEE THE ABOVE CONDITIONS.

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

NOTE 1. THE MATING PARTNER OF THIS PRODUCT IS PS3-2US/12S/16S(CL236-1043-5-00).

2 DRAWING CONTACT No. ARE CORRESPONDING TO CONTACT No. OF PS3-2US/12S/16S.  
CONTACT No. OF GT8E ARE DIFFERENT FROM THE CONTACT OF DRAWINGS. (REFFER NOTES No. 4)  
CONTACT No. OF GT8E REFFERS TO TABLE 1.

3 DRAWING CONTACT No. ARE CORRESPONDING TO CONTACT No. OF PS3-2US/12S/16S.  
CONTACT No. OF GT8E ARE DIFFERENT FROM THE CONTACT OF DRAWINGS. (REFFER NOTES No. 4)  
CONTACT No. OF GT8E REFFERS TO TABLE 2.

2 TABLE 1 CONVERSION TABLE OF GT8E-16DS-HU CONACT No. AND DRAWING CONTACT No.

DRAWING CONTACT No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GT8E-16DS-HU CONTACT No.	10	9	8	7	6	5	4	3	2	1	16	15	14	13	12	11

3 TABLE 2 CONVERSION TABLE OF GT8E-12DS-HU CONACT No. AND DRAWING CONTACT No.

DRAWING CONTACT No.	1	2	3	4	5	6	7	8	9	10	11	12
GT8E-12DS-HU CONTACT No.	8	7	6	5	4	3	2	1	12	11	10	9

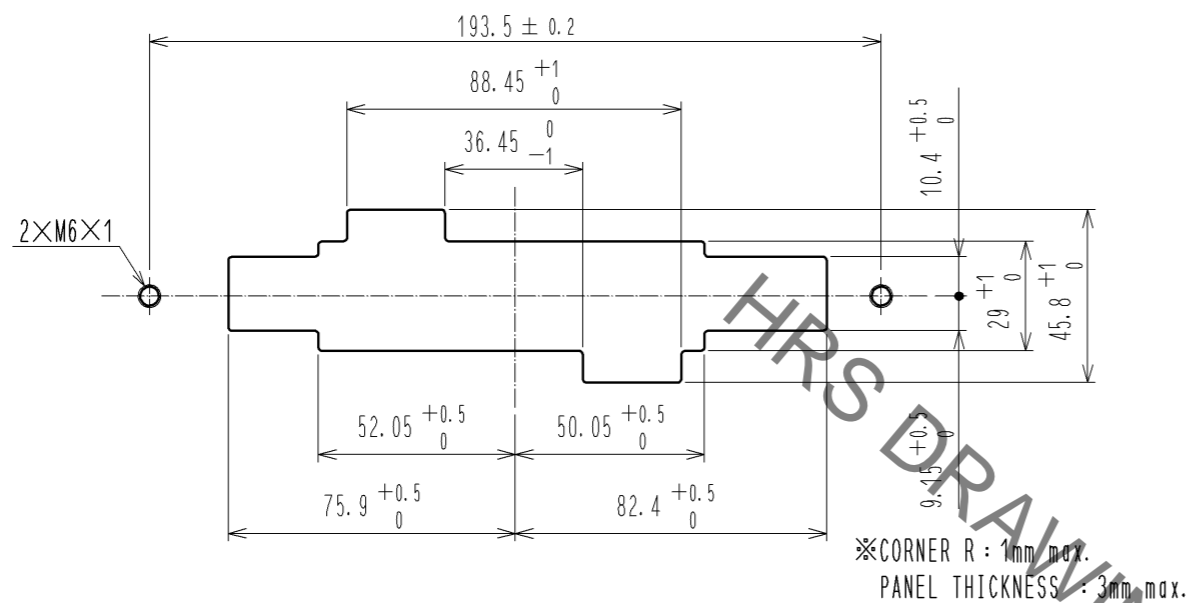
<b>HRS</b>	DRAWING NO.	EDC3-128100-00
	PART NO.	PS3-2UP/12P/16P
	CODE NO.	CL236-1044-8-00

△ 2/3

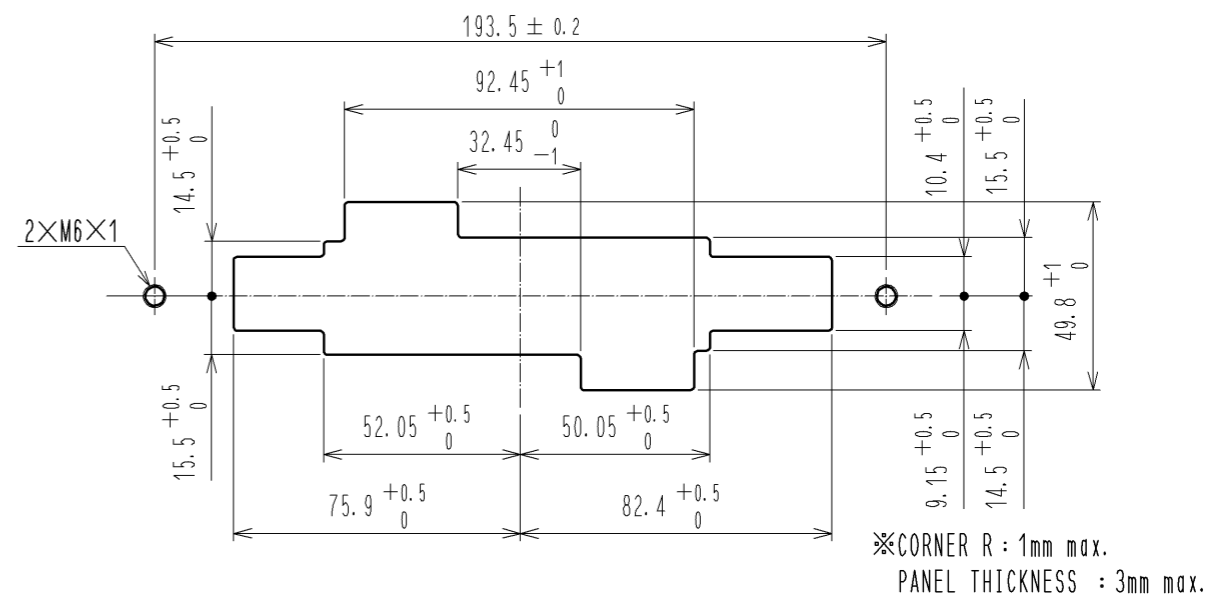
Aug.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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

11 FIG1. RECOMMENDED PANEL 1 CUTOUT



11 FIG2. RECOMMENDED PANEL 2 CUTOUT



11 TABLE 3. 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	

11 TABLE 4. TUV CONDITON

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

11 TABLE 5. TUV CONDITON

	CONDITION III
CURRENT VOLTAGE(AC/DC)	1000V
CURRENT RATING	100A(CABLE 14 TO 22sq ※1) 125A(CABLE 38sq ※1) 150A(CABLE 50sq ※1)
OVER VOLTAGE CATEGORY	III
POLLUTION DEGREE	3
CREEPAGE DISTANCE(※2)	MIN:16mm
CLEARANCE DISTANCE(※2)	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 CRIMP TERMINALS  
 -BETWEEN POWER CONTACT AND PANEL  
 -BETWEEN CRIMP TERMINAL AND PANEL  
 -BETWEEN SCREWS (ATTACHEHD WITH POWER CONTACT) AND PANEL

<b>HRS</b>	DRAWING NO.	EDC3-128100-00
	PART NO.	PS3-2UP/12P/16P
	CODE NO.	CL236-1044-8-00

3/3