

APPLICABLE STANDARD		1 UL, C-UL TUV STANDARD (PLAN)			
RATING	OPERATING TEMPERATURE RANGE	2 -40 °C TO +105 °C		STORAGE TEMPERATURE RANGE	3 -40 °C TO +60 °C
	VOLTAGE	1		CURRENT	1
				APPLICABLE WIRE	1
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE		DC 1 A		0.3 mΩ MAX.	X X
INSULATION RESISTANCE		250 V DC		5000 MΩ MIN.	X —
VOLTAGE PROOF		2000 V AC. FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X —
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR AT A SPEED OF 30 mm ± 3 mm/min.		INSERTION FORCE : 49 N MAX.	X —
				WITHDRAWAL FORCE : 49 N MAX.	X —
MECHANICAL OPERATION		100 TIMES INSERTIONS AND EXTRACTION AT SPEED OF 600 TIMES/HOUR.		① CONTACT RESISTANCE : 0.5 mΩ MAX. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X —
VIBRATION		FREQUENCY : 10 TO 55 Hz, SINGE AMPLITUDE 0.75 mm, AT 5 min/CYCLE, 10 CYCLES EACH IN 3 AXIS DIRECTIONS. 30 CYCLES IN TOTAL.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X —
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.			X —
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 105 °C TIME 30 → 30 min CHAMBER TRANSFER TIME IS 2 TO 3 min. CONDUCT 5 CYCLES OF ABOVE CYCLES (MATED) AND EXPOSED IN THE ROOM TEMPERATURE FOR 1 TO 2 HOURS.		① CONTACT RESISTANCE : 0.5 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X —
HUMIDITY LIFE		AFTER EXPOSURE AT TEMPERATURE 40±2 °C, HUMIDITY 90 TO 95 %, FOR 96 h. (MATED), EXPOSED AT ROOM TEMPERATRURE FOR 1 TO 2 HOUR.		① CONTACT RESISTANCE : 0.5 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X —
HEAT RESISTANCE		AFTER EXPOSURE AT TEMPERATURE 105±2 °C, HUMIDITY FOR 96 h (MATED), EXPOSED AT ROOM TEMPERATRURE FOR 1 TO 2 HOUR.		① CONTACT RESISTANCE : 0.5 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X —
COLD RESISTANCE		AFTER EXPOSURE AT -40±2 °C, 96 h. (MATED) EXPOSED AT ROOM TEMPERATRUR FOR 1 TO 2 HOUR.		① CONTACT RESISTANCE : 0.5 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X —
CORROSION SALT MIST		AFTER EXPOSURE IN 35±2 °C, 5±1% SALT WATER SPRAY FOR 48±4 h (MATED), WASHED WITH WATER, DRIED AT NORMAL TEMPERATURE AND HUMIDITY FOR 24 HOURS.		NO HEAVY CORROSION THAT LOSE FUNCTION.	X —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	NM. NISHIMATSU	14. 07. 23
2 THE OPERATION TEMPERATURE INCLUDES THE TEMPERATURE RISE BY CURRENT CARRYING.			CHECKED	NM. NISHIMATSU	14. 07. 23
3 STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.			DESIGNED	WR. YAMADA	14. 07. 22
Unless otherwise specified, refer to JIS C 5402.			DRAWN	WR. YAMADA	14. 07. 22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-128554-00	
HRS	SPECIFICATION SHEET		PART NO.	PS3C-A-1UP	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL236-1064-5-00	△ 1/2

Accompanying drawing

1 CONDITION OF SAFETY STANDARD (UL, C-UL, TUV STANDARD)

THIS ITEM IS PLANNING TO BE APPROVED BY SAFETY STANDARD (UL, 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.

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	

TABLE 2. TUV CONDITON

	CONDITION I	CONDITION II	CONDITION III
CURRENT VOLTAGE (AC/DC)	800 V	600V	1000V
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	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, NUT 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.

<SET1>

- RECOMMENDED SCREW : JIS B 1188 SPRING WASHER + CROSS RECESSED PAN HEAD SCREW WITH CAPTIVE POLISHED CIRCULAR WASHER M6 X 12
- RECOMMENDED NUT : JIS B 1181 M6 STYLE 1

<SET2>

- RECOMMENDED HEXAGON HEAD SCREW : JIS B 1180 HEXAGON HEAD SCREW M6 X 14
- RECOMMENDED NUT : HARD LOCK INDUSTRY CO., LTD. HLN-R M6

<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

- *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 QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO

ELC4-128554-00

HS

SPECIFICATION SHEET

PART NO

PS3C-A-1UP

HIROSE ELECTRIC CO., LTD.

CODE NO

CL236-1064-5-00

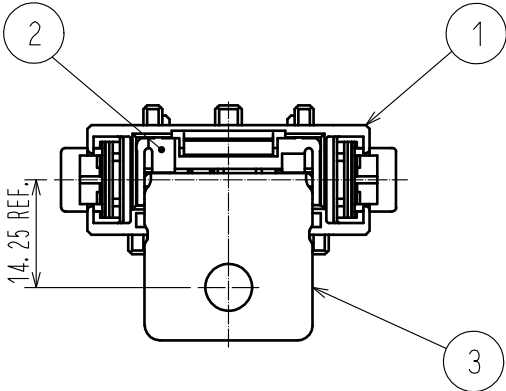
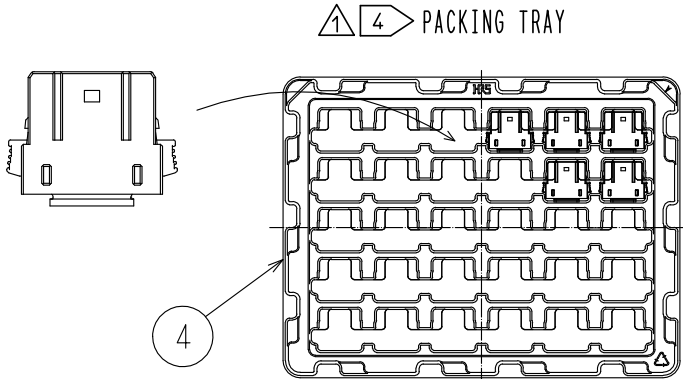
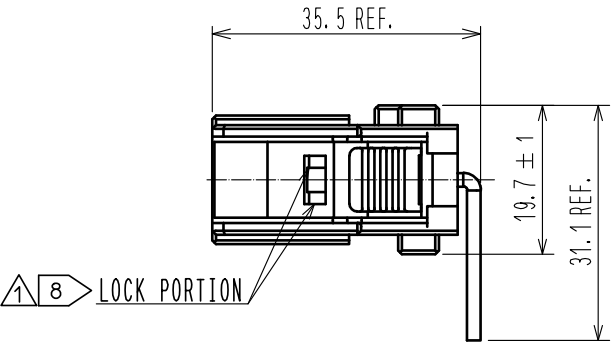
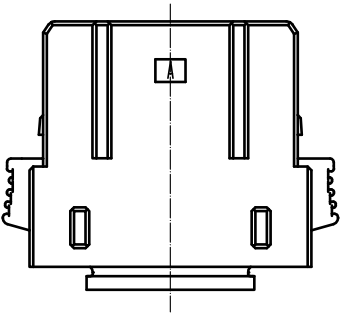
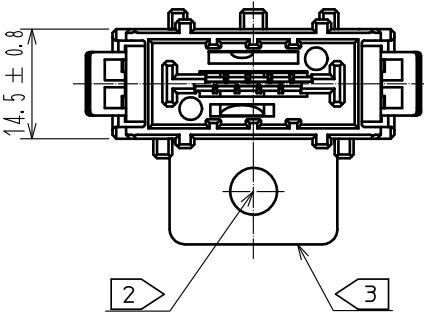
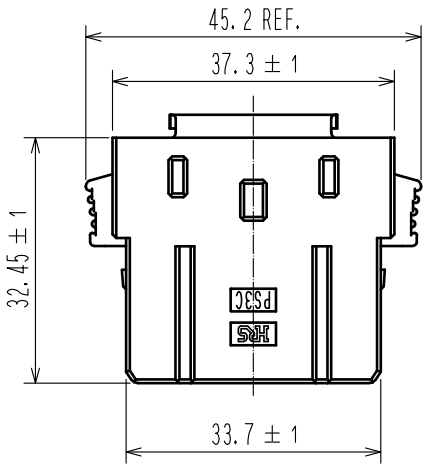


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DRAWING FOR REFERENCE: This is subject to change without notice

2015/05/08 03:13:15(JST) ctanke

FORM HD0011-2-1



2	PBT	BLACK	UL94V-0	4	PP	
1	PBT	BLACK	UL94V-0	3	COPPER	SILVER PLATING 3 μm MIN
NO.	MATERIAL	FINISH . REMARKS		NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 1 : 1	COUNT 4	DESCRIPTION OF REVISIONS DIS-E-00000029		DESIGNED WR. YAMADA
HIROSE ELECTRIC CO., LTD.		APPROVED	: NM. NISHIMATSU	14. 07. 23	DRAWING NO. EDC3-128554-00	
		CHECKED	: NM. NISHIMATSU	14. 07. 23	PART NO. PS3C-A-1UP	
		DESIGNED	: WR. YAMADA	14. 07. 22	CODE NO. CL236-1064-5-00	
		DRAWN	: WR. YAMADA	14. 07. 22		
						1 2

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

6
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	

6
TABLE 2. TUV CONDITION

	CONDITION I	CONDITION II	CONDITION III
CURRENT VOLTAGE(AC/DC)	800V	600V	1000V
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	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 (ATTACHEHD WITH POWER CONTACT) AND PANEL

NOTE 1. THE MATING PARTNER OF THIS PRODUCT IS PS3C-A-1US(CCL236-1062-0-00).

2 PLEASE USE M6 SCREW AND NUT FOR MOUNTING REF NO. 3 AND THE CRIMP TERMINAL. THE RECOMMENDED SCREW AND CRIMP TERMINAL IS AS FOLLOWS.

<SET1>
-RECOMMENDED SCREW : JIS B 1188 SPRING WASHER + CROSS RECESSED PAN HEAD SCREW WITH CAPTIVE POLISHED CIRCULAR WASHER M6 X 12
-RECOMMENDED NUT : JIS B 1181 M6 STYLE 1

<SET2>
-RECOMMENDED HEXAGON HEAD SCREW : JIS B 1180 HEXAGON HEAD SCREW M6 X 14
-RECOMMENDED NUT : HARD LOCK INDUSTORY CO.,LTD. HLN-R M6

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

1 4 THE SALES UNIT IS ONE PIECE AND ONE BOX IS 60 PIECES. PLEASE YOUR ORDER IN UNIT OF 60 PIECES. PLEASE REFER ETAP-E3129.

5. THIS PRODUCT IS RECOMMENDED THE COVER 'PS3C-1UP-CVL(236-1066-0-00)' THAT COVERS THE POWER SUPPLY TERMINAL FOR THE SAFETY. IF THE COVER IS NOT BE USED, PLEASE PREPARE THE SHRINK TUBE OR LIKE COVERING THE POWER SUPPLY TERMINAL.

6 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 DEFERRENT UP TO THE APPLIED RATED VOLTAGE AND CURRENT PLEASE SEE THE TABLE 1 AND TABLE 2.

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

1 8 PLEASE MAKE SURE THE LOCK PORTION AND MATING COMPLETELY WITH PS3C-A-1US.

HRS	DRAWING NO.	EDC3-128554-00	
	PART NO.	PS3C-A-1UP	
	CODE NO.	CL236-1064-5-00	1 2 2



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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