APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C (1) (2)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C (3)
	OPERATING HUMIDITY RANGE	RH 90 % MAX (2) (4)	STORAGE HUMIDITY RANGE	RH 70 % MAX (3) (4) (6)
	VOLTAGE	300 V DC/AC	CURRENT	70A (TEMPERATURE RISE 30°C MAX)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUAL AND WITH MEASURING INSTRUMENT	ACCORDING TO DRAWING	×	×
MARKING	CONFIRMED VISUALLY		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE [EIA-364-23]	100 mA AND 20 mV OPEN CIRCUIT MAX.	2 mΩ MAX.(5) MATED WITH IT-PM-2S-DIR IT-PD-2S-DIR	×	
INSULATION RESISTANCE [EIA-364-21]	500 V DC	1000 MΩ MIN.	×	
VOLTAGE PROOF [EIA-364-20]	1000 V AC FOR 1 MINUTE	NO FLASHOVER OR BREAKDOWN.	×	
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]	MEASURED WITH RESPECT TO APPLICABLE CONNECTORS	INSERTION FORCE: 50 N MAX. WITHDRAWAL FORCE: 3 N MIN.	×	
MECHANICAL OPERATION [EIA-364-09]	100 TIMES INSERTION AND EXTRACTION	① CONTACT RESISTANCE: 2 mΩ MAX. (5) ② NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
RANDOM VIBRATION [EIA-364-28]	FREQUENCY : 50 TO 2000 Hz POWER SPECTRAL DENSITY : 0.1 g^2/Hz FOR 90 MINUTES IN THREE DIRECTIONS ＊Spacers were used to maintain the distance between the PCB's during testing.	① NO ELECTRICAL DISCONTINUITY OF 1 μs OR MORE ② NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
SHOCK [EIA-364-27]	490 m/s^2 , DURATION OF PULSE : 11 ms 18 TIMES TOTAL , 3 EACH DIRECTION , 3 AXIS ＊Spacers were used to maintain the distance between the PCB's during testing.		×	
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK [EIA-364-32]	TEMPERATURE: -55 →20 ~ 35 → 85 →20 ~ 35 °C TIME: 30 → 5 MAX → 30 → 5 MAX minutes 10 CYCLES	① CONTACT RESISTANCE : 2 mΩ MAX. (5) ② INSULATION RESISTANCE : 100 MΩ MIN. ③ NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]	@ 25 °C, 80% RH: 60 MIN DWELL TIME 30 MIN RAMP TIME @ 65 °C, 50% RH: 60 MIN DWELL TIME 24 CYCLES			
DRY HEAT [EIA-364-17]	EXPOSED AT 105 °C, 120 hr	① CONTACT RESISTANCE : 2 mΩ MAX. (5) ② NO DAMAGE, CRACKS, OR LOOSE PARTS	×	
MIXED FLOWING GAS [EIA-364-65]	EXPOSED AT 30 °C, 70% Cl_2 : 10 ppb, NO_2 : 200 ppb, H_2S : 10 ppb, SO_2 : 100 ppb UNMATED 7 DAYS, MATED 7 DAYS	① CONTACT RESISTANCE : 2 mΩ MAX. (5)	×	

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0	0				

REMARKS

(1) INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING.
(2) OPERATING TEMPERATURE SHOULD BE -55 TO 55℃ WHEN HUMIDITY EXCEEDS 80% RH.
(3) "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT IN SEALED BAGS BEFORE ASSEMBLY TO PCB.
(4) NO DEW CONDENSATION IS PERMITTED.
(5) THE VALUE OF CONTACT RESISTANCE INCLUDES 2 CONTACT POINTS AND THE BULK RESISTANCE.
(6) THIS APPLIES TO SEALED PLASTIC BAGS. OPEN BAGS MUST BE PROTECTED FROM MOISTURE, SULFUR, AND CHLORIDE WHICH CAN CAUSE THE SILVER PLATING TO TARNISH.

APPROVED	TS. OSHIDA	20241024
CHECKED	TS. OSHIDA	20241024
DESIGNED	TH. SANO	20241023
DRAWN	KO. SUSUKIDA	20241023

Note: QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-375952-11-00

HRS	SPECIFICATION SHEET	PART NO.	IT-P-2P-65H(11)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0636-0643-0-11	△0 1/1