APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 90% MAX (NO DEW CONDENSATION IS PERMITTED)
	CURRENT	SIGNAL: 0.5A POWER: REFER TO TEST REPORT TR636E-20041 FOR SPECIFIC POWER APPLICATIONS OR CONTACT HIROSE.		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUAL AND WITH MEASURING INSTRUMENT	ACCORDING TO A DRAWING	X	X
MARKING	CONFIRM VISUALLY		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE [EIA-364-23]	100 mA	55 mΩ MAX (*1) MATED WITH IT3**-300S-BGA(**)	X	X
INSULATION RESISTANCE [EIA-364-21]	100 V DC	1000 MΩ MIN	X	—
VOLTAGE PROOF [EIA-364-20]	150 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN	X	X
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]	MEASURED WITH RESPECT TO APPLICABLE CONNECTORS	INSERTION FORCE: 135 N MAX WITHDRAWAL FORCE: 15 N MIN	X	—
MECHANICAL OPERATION [EIA-364-09]	100 TIMES INSERTION AND EXTRACTION	1) CONTACT RESISTANCE CHANGE: 20 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
RANDOM VIBRATION [EIA-364-28]	FREQUENCY: 20 TO 500 Hz POWER SPECTRAL DENSITY: 0.02 G^2/Hz OVERALL rms G: 3.1 Grms FOR 15 MINUTES IN THREE DIRECTIONS	1) NO ELECTRICAL DISCONTINUITY OF 1μs OR MORE 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
SHOCK [EIA-364-27]	490 m/s^2, DURATION OF PULSE: 11 ms 18 TIMES TOTAL, 3 EACH DIRECTION, 3 AXIS		X	—
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK [EIA-364-32]	TEMPERATURE(°C): -55 →15 ~ 35 → 85 →15 ~ 35 TIME(min): 30 → 5MAX → 30 → 5MAX UNDER 10 CYCLES	1) CONTACT RESISTANCE CHANGE: 20 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
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 UNDER 24 CYCLES		X	—
DRY HEAT [EIA-364-17]	EXPOSED AT 85 °C, 500 hr	1) CONTACT RESISTANCE CHANGE: 20 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
MIXED FLOWING GAS [EIA-364-65]	EXPOSED AT 30 °C, 70% RH 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 CHANGE: 20 mΩ OR LESS 2) NO HEAVY CORROSION	X	—

△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					

REMARK
(*1) THE VALUE OF CONTACT RESISTANCE INCLUDES 2 CONTACT POINTS AND THE BULK RESISTANCE.
(*2) REFER TO TEST REPORT TR636E-10259 FOR FULL ELECTRICAL CHARACTERISTICS, MECHANICAL CHARACTERISTICS AND ENVIRONMENTAL CHARACTERISTICS TESTS AND RESULTS.
UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.

APPROVED	MK. EZAKI	15.08.08
CHECKED	TS. OSHIDA	15.08.08
DESIGNED	TF. SUGAWARA	15.08.07
DRAWN	KT. AIZAWA	15.08.07

NOTE -- QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST

DRAWING NO. ELC-157706-04-00

HRS	SPECIFICATION SHEET	PART NO.	IT3-300P-30H(04)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL636-0185-7-04	△0 1/1

FORM HD0011-2-1