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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(1)	
	VOLTAGE	△1 60 V AC/DC	STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)	
	CURRENT	2 A			

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	1A DC.	10 mΩ MAX .	—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	10 mV AC MAX, 0.1 mA(DC OR 1000Hz)	10 mΩ MAX .	—	—
INSULATION RESISTANCE	500 V DC.	100 MΩ MIN.	×	—
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	—	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
VIBRATION	FREQUENCY 20 TO 200Hz (88m/s²) SWEEP TIME 3min.(ROUND TRIP) AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② CONTACT RESISTANCE: 20 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— — ×	— — —
SHOCK	981m/s² DURATION OF PULSE 6ms AT 3 TIMES FOR 6 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
LOCK STRENGTH	MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.	① 100 N MIN	×	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ～ 95 %, 96 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— × ×	— — —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE- 40 →ROOM TEMP →125°C→ ROOM TEMP TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
DRY HEAT	EXPOSED AT 140°C, 120 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
COLD	EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
RESISTANCE TO SO_2 GAS	EXPOSED IN 25 PPM AT 75% MIN FOR 96h.	① CONTACT RESISTANCE: 20 mΩ MAX.	—	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1	1	DIS-T-00006021	YH. MAMADA	HH. TSUKUMO	20200403

REMARK
(NOTE1) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.

APPROVED	HK. UMEHARA	20190511
CHECKED	HK. UMEHARA	20190511
DESIGNED	YH. MAMADA	20190511
DRAWN	MINTAE KANG	20190511

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

DRAWING NO. ELC-383549-00-00

HRS	SPECIFICATION SHEET	PART NO.	ZE05-20DS-HU/R(A)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL752-2210-0-00 △1	1/1

FORM HD0011-2-1

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Hirose Electric:

GT8E-6S-HU HDE-CTH(10) RM15TP-2PA(81) DF52-4P-0.8C DF11-16DP-2DSA(24) DF19A-3032SCFA(41) DF40C-50DP-0.4V(51) FH72-21S-0.3SHW DF59M-2224PCF FX8-120S-SV(22) ZH05-20DP-HU(B) BM29B0.6-4DS/2-0.35V(51) ZE05H-12DP-2H RM12BRD-2PH(81) RM15TRH-10PH(81) FX18-80S-0.8SH DF62C-4S-2.2C DF65-4P-1.7V(21) DF36A-25P-SHL ZE064W-8DP-HU/R(A) FH35C-19S-0.3SHW(50) FH41-30S-0.5SH(05) ZE05-24DP-2H ZE05H-4P-2V(A) DF57AH-5S-1.2C DF17(3.0)-40DS-0.5V(57) DF22A-1416SCFA DF33C-4S-3.3C FH41-50S-0.5SH(28) FX18-60S-0.8SH