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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 +105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	1 -10 °C TO +60 °C(NOTE2)
	CURRENT	3 A	STORAGE HUMIDITY RANGE 1	RELATIVE HUMIDITY 85% MAX (NOT DEWED)
	VOLTAGE	250V AC		

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.	30 mΩ MAX .	×	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX .	×	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—
MECHANICAL CHARACTERISTICS				
TERMINAL INSERTION AND EXTRACTION FORCE	MEASURING AT 100mm/min.	4.9N MAX.	×	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× ×	— —
VIBRATION	FREQUENCY 20 TO 400 Hz, 43.1 m/s^2 AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 60 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× × ×	— — —
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/s^2 AT 1 h .	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 60 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× × ×	— — —
LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 98N MAX.	① DURING APPLYING,MATING OMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS.	× ×	— —
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ～ 95 %, 500 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× × ×	— — —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE- 40 →5 TO 35 →120 →5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× × ×	— — —
DRY HEAT	EXPOSED AT 105°C, 300 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× ×	— —
COLD	EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× ×	— —
RESISTANCE TO SO_2 GAS	EXPOSED IN 500 PPM FOR 8h.	① CONTACT RESISTANCE: 60 mΩ MAX.	×	—
RESISTANCE TO SOLDERING HEAT	SPECIFIED TEMPERATURE PROFILE FOR 2CYCLES.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERED AT SPECIFIED TEMPERATURE PROFILE.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	3	DIS-T-00009122	AN. SAIKI	HH. TSUKUMO	20210413

REMARK
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.
(NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB. 1

APPROVED	NH. NAKATA	20151028
CHECKED	HS. OZAWA	20151028
DESIGNED	TK. SHISHIKURA	20151028
DRAWN	TK. SHISHIKURA	20151028

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

DRAWING NO. ELC-364861-00-00

HRS	SPECIFICATION SHEET	PART NO.	GT25H2-8DP-2.2V	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0775-0094-0-00	1 1/1

FORM HD0011-2-1