

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

APPLICABLE STANDARD			STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1)	CURRENT	1 A
	VOLTAGE	250 V AC		
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
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	1A DC.	SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.		X -
CONTACT RESISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000HZ)	SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.		X -
MILLIVOLT LEVEL METHOD				
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.		X -
VOLTAGE PROOF	660 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		X -
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	- BY STEEL GAUGE.	INSERTION FORCE : - N MAX. WITHDRAWAL FORCE : - N MIN.		- -
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
VIBRATION	FREQUENCY 20 TO 400 HZ. 43.1 ms ² AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
SHOCK	FREQUENCY 20 TO 50 HZ. 66.6 ms ² AT 1 h.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 98 N MAX.	① DURING APPLYING, MATING COMPLETELY. ② AFTER APPLYING, NO DEFECT OF MATING PARTS.		X -
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
RAPID CHANGE OF TEMPERATURE	TEMPERATURE:40→5 TO 35→ 85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: SIGNAL:30 mΩ MAX, SHIELD:120mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
DRY HEAT	EXPOSED AT 105°C, 300 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.		X -
COLD	EXPOSED AT -40°C, 120 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.		X -
CORROSION,SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.		X -
RESISTANCE TO HSO ³ GAS	EXPOSED IN - PPM FOR 8h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X -
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE:260 °C FOR IMMERSION,DURATION,10s.			X -
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IMMERSION DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.		X -
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Δ				
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-167242-01	
HRS	SPECIFICATION SHEET	PART NO.	GT17HN-4DP-2DS (A) (10)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL767-0213-7-10	
				Δ 1/1
	APPROVED	KS. SATOH	08.12.12	
	CHECKED	MA. HARUBAYASHI	08.12.12	
	DESIGNED	MH. SHOUJI	08.12.12	
	DRAWN	MH. SHOUJI	08.12.12	