


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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT	
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO 105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C				
	VOLTAGE	250 V AC	CURRENT	3 A				
SPECIFICATIONS								
ITEM	TEST METHOD			REQUIREMENTS			QT AT	
CONSTRUCTION			VISUALLY AND BY MEASURING INSTRUMENT.					○ ○
GENERAL EXAMINATION			CONFIRMED VISUALLY.					○ ○
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE			1A DC.	SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX.		○	-	
CONTACT RESISTANCE			20 mV AC MAX, 0.1 mA(DC OR 1000HZ)	SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX.		○	-	
MILLIVOLT LEVEL METHOD								
INSULATION RESISTANCE			500 V DC	100 MΩ MIN.		○	-	
VOLTAGE PROOF			650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		○	-	
MECHANICAL CHARACTERISTICS								
CONTACT INSERTION AND EXTRACTION FORCES			10.3 x 9 BY STEEL GAUGE.	INSERTION FORCE 6.5 N MAX. EXTRACTION FORCE 0.1~6.5 N.		○	-	
MECHANICAL OPERATION			30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE :		○	-	
VIBRATION			FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.	SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② 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 : SIGNAL : 60 mΩ MAX, SHIELD : 120 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 COMPLETELY. 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 : SIGNAL : 60 mΩ MAX, SHIELD : 120 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→ 85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 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 : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	-	
COLD			EXPOSED AT -55°C, 120 h.	① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	-	
CORROSION, SALT MIST			EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② NO HEAVY CORROSION.		○	-	
RESISTANCE TO HSO ³ GAS			EXPOSED IN 500 PPM FOR 8 h.	① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② NO HEAVY CORROSION.		○	-	
RESISTANCE TO SOLDERING HEAT			SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		○	-	
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.		○	-	
COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE		
REMARK	(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.							
	(NOTE2) TAPPLICABLE BOARD : 1.6±0.2							
	APPROVED	KS. SATOH			08.06.23			
	CHECKED	NH. NAKATA			08.06.20			
	DESIGNED			TS. KUBOTA		08.06.12		
	DRAWN			TS. KUBOTA		08.06.12		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-167085-00				
HRS		SPECIFICATION SHEET		PART NO.		GT17VB-8DP-DS		
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL767-0185-3-00		
						1/1		