




APPLICABLE STANDARD						
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						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		<input type="radio"/> <input type="radio"/>
MARKING		CONFIRMED VISUALLY.				<input type="radio"/> <input type="radio"/>
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		1A DC.		SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX .		<input type="radio"/> -
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX .		<input type="radio"/> -
INSULATION RESISTANCE		500 V DC		100 MΩ MIN.		<input type="radio"/> -
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		<input type="radio"/> -
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		10.3 × 9 BY STEEL GAUGE.		INSERTION FORCE 6.5 N MAX. EXTRACTION FORCE 0.1~6.5 N .		<input type="radio"/> - <input type="radio"/> -
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input type="radio"/> - <input type="radio"/> -
VIBRATION		FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.		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.		<input type="radio"/> - <input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> -
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.		<input type="radio"/> - <input type="radio"/> -
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		<input type="radio"/> -
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 IMMersed.		<input type="radio"/> -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
						
REMARK				APPROVED	KS. SATOH	08.06.23
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				CHECKED	NH. NAKATA	08.06.20
(NOTE2) TAPPLICABLE BOARD : 1.6±0.2				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	
	SPECIFICATION SHEET		PART NO.	GT17VB-8DP-DS		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL767-0185-3-00  1/1		