

APPLICABLE STANDARD		SPECIFICATIONS					
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			
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		O O		
MARKING		CONFIRMED VISUALLY.			O O		
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		1A DC.	SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX.		O -		
CONTACT RESISTANCE		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX.		O -		
MILLIVOLT LEVEL METHOD							
INSULATION RESISTANCE		500 V DC	100 MΩ MIN.		O -		
VOLTAGE PROOF		650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
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.		O -		
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		O -		
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.		O -		
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE		
0							
REMARK				APPROVED	KS. SATOH 08.06.23		
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				CHECKED	NH. NAKATA 08.06.20		
(NOTE2) APPLICABLE BOARD : 1.6±0.2				DESIGNED	TS. KUBOTA 08.06.12		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWN	TS. KUBOTA 08.06.12		
				DRAWING NO.		ELC4-167085-00	
	SPECIFICATION SHEET			PART NO.	GT17VB-8DP-DS		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL767-0185-3-00	△ 1/1	