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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURES 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.				○	○
MARKING	CONFIRMED VISUALLY.								○	○
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE	1 A DC.				30 mΩ MAX.				○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)				30 mΩ MAX.				○	—
INSULATION RESISTANCE	— V DC				100 MΩ MIN.				—	—
VOLTAGE PROOF	— V AC FOR 1 MIN				NO FLASHOVER OR BREAKDOWN.				—	—
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND EXTRACTION FORCES	— BY STEEL GAUGE.				INSERTION FORCE — N MAX. EXTRACTION FORCE — N MIN.				—	—
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 200 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 — N 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 TO 95 %, 500 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100MΩ 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: 60 mΩ MAX. (NOTE2) ② INSULATION RESISTANCE: 100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.				○	—
DRY HEAT	EXPOSED AT 105 °C, 300 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.				○	—
COLD	EXPOSED AT -55 °C, 120 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.				○	—
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.				○	—
RESISTANCE TO H ₂ O ² GAS	EXPOSED IN 500 PPM FOR 8 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.				○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.				NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				—	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230 °C FOR IMMERSION DURATION, 3 S				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.				—	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED	
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2 OVER 500 CYCLES : 120 mΩ MAX.					T. SHISHIKURA '01.6.12	T. SHISHIKURA '01.6.12	N. NAKATA '01.6.13	K. Aoto '01.6.13		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test										
HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET					
CODE NO. (OLD)					PART NO. GT17VS-10DS-8CF					
DRAWING NO. ELC4-165727					CODE NO. CL767-0059-9					
					1/1					

