

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURES RANGE		-40°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"/>	
ELECTRICAL CHARACTERISTICS											
CONTACT RESISTANCE		1 A DC.				30 mΩ MAX. (Shield 60mΩ)			<input type="radio"/>	<input type="radio"/>	
CONTACT RASISTANCE		20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)				30 mΩ MAX. (shield 60mΩ)			<input type="radio"/>	<input type="radio"/>	
MILLIVOLT LEVEL METHOD											
INSULATION RESISTANCE		500 V DC				100 MΩ MIN.			<input type="radio"/>	<input type="radio"/>	
VOLTAGE PROOF		650 V AC FOR 1 MIN				NO FLASHOVER OR BREAKDOWN.			<input type="radio"/>	<input type="radio"/>	
MECHANICAL CHARACTERISTICS											
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.				INSERTION FORCE _____ N MAX. EXTRACTION FORCE _____ N MIN.			<input type="radio"/>	<input type="radio"/>	
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE:60 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 <sup>2</sup> AT 3 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE:120 mΩ MAX. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.			<input type="radio"/>	<input type="radio"/>	
SHOCK		FREQUENCY 20 TO 50 Hz, 66.6 m/S <sup>2</sup> AT 1 h				① NO ELECTRICAL DISCONTINUITY OF10 μs. ② CONTACT RESISTANCE:120 mΩ MAX. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.			<input type="radio"/>	<input type="radio"/>	
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.			<input type="radio"/>	<input type="radio"/>	
ENVIRONMENTAL CHARACTERISTICS											
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 TO 95 %, 500 h.				① CONTACT RESISTANCE:120 mΩ MAX. ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			<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:120 mΩ MAX. ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.			<input type="radio"/>	<input type="radio"/>	
DRY HEAT		EXPOSED AT 105 °C, 300 h.				① CONTACT RESISTANCE:120 mΩ MAX. ② NO HEAVY CORROSION.			<input type="radio"/>	<input type="radio"/>	
COLD		EXPOSED AT -55 °C, 120 h.				① CONTACT RESISTANCE:120 mΩ MAX. ② NO HEAVY CORROSION.			<input type="radio"/>	<input type="radio"/>	
CORROSION, SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.				① CONTACT RESISTANCE:120 mΩ MAX. ② NO HEAVY CORROSION.			<input type="radio"/>	<input type="radio"/>	
RESISTANCE TO HSO <sup>+</sup> GAS		EXPOSED IN 500 PPM FOR 8 h.				① CONTACT RESISTANCE: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 IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			<input type="radio"/>	<input type="radio"/>	
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.			<input type="radio"/>	<input type="radio"/>	
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED		
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.					T. SAKASHITA '05.11.11	T. SHISHIKURA '05.9.20	N. Ham- kayashi '05.11.11	K. Ato '05.11.11			
Note QT:Qualification Test AT:Assurance Test O:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.					PART NO. GT17VSN-10DP-HU						
CODE NO. (OLD)					CODE NO.						
DRAWING NO. ELC4-166454					CL767-0115-8						

TO  
AMC