


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURES RANGE	-30℃ TO 105℃ (NOTE1)	STORAGE TEMPERATURE RANGE	-40℃ TO +105℃
	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="checkbox"/>	<input type="checkbox"/>		
MARKING	CONFIRMED VISUALLY.		<input type="checkbox"/>	<input type="checkbox"/>		
ELECTRICAL CHARACTERISTICS						
CONTACT RESISTANCE	1 A DC.	30 mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX. 0.1 mA(DC OR 1000 Hz)	30 mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>		
INSULATION RESISTANCE	500 V DC	100 MΩ MIN.	<input type="checkbox"/>	<input type="checkbox"/>		
VOLTAGE PROOF	650 V AC FOR 1 MIN	NO FLASHOVER OR BREAKDOWN.	<input type="checkbox"/>	<input type="checkbox"/>		
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE ——— N MAX. EXTRACTION FORCE ——— N MIN.	<input type="checkbox"/>	<input type="checkbox"/>		
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>		
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.	<input type="checkbox"/>	<input type="checkbox"/>		
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.	<input type="checkbox"/>	<input type="checkbox"/>		
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.	<input type="checkbox"/>	<input type="checkbox"/>		
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 ℃, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5 TO 35 → 85 → 5 TO 35 ℃ TIME 30 → 5 → 30 → 5 MIN UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.	<input type="checkbox"/>	<input type="checkbox"/>		
DRY HEAT	EXPOSED AT 105 ℃, 300 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="checkbox"/>	<input type="checkbox"/>		
COLD	EXPOSED AT -55 ℃, 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="checkbox"/>	<input type="checkbox"/>		
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="checkbox"/>	<input type="checkbox"/>		
RESISTANCE TO H ₂ S GAS	EXPOSED IN 500 PPM FOR 8 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="checkbox"/>	<input type="checkbox"/>		
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ℃ FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	<input type="checkbox"/>	<input type="checkbox"/>		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230 ℃ FOR IMMERSION DURATION, 3 S	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	<input type="checkbox"/>	<input type="checkbox"/>		
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.		T. SHISHIKURA '01.6.12	T. SHISHIKURA '01.6.12	N. NAKATA '01.6.13	K. Sato '01.6.13	
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test						
 HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. GT17V-10DS-2C		
CODE NO. (OLD)		DRAWING NO.		CODE NO.		1/1
		ELC4-165534		CL767-0036-3		

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