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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	1 A			
<b>SPECIFICATIONS</b>									
ITEM	TEST METHOD	REQUIREMENTS	QT	AT					
<b>CONSTRUCTION</b>									
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"/>					
<b>ELECTRICAL CHARACTERISTICS</b>									
CONTACT RESISTANCE	1 A DC.	30 mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>					
CONTACT RASISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)	30 mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>					
MILLIVOLT LEVEL METHOD			<input type="checkbox"/>	<input type="checkbox"/>					
INSULATION RESISTANCE	500 V DC	100 MΩ MIN.	<input type="radio"/>	<input type="checkbox"/>					
VOLTAGE PROOF	650 V AC FOR 1 MIN	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="checkbox"/>					
<b>MECHANICAL CHARACTERISTICS</b>									
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="radio"/>	<input type="checkbox"/>					
VIBRATION	FREQUENCY 20 TO 200 Hz, AMPLITUDE - mm, 43.1 m/S <sup>2</sup> AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μ s. 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 <sup>2</sup> AT 1 h	① NO ELECTRICAL DISCONTINUITY OF10 μ s. 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 98N MAX.	① DURING APPLYING, MATING COMPLETELY. ② AFTER APPLYING, NO DEFECT OF MATING PARTS.	<input type="radio"/>	<input type="checkbox"/>					
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
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.	<input type="checkbox"/>	<input type="checkbox"/>					
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. ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.	<input type="checkbox"/>	<input type="checkbox"/>					
DRY HEAT	EXPOSED AT 105 °C, 300 h.	① CONTACT RESISTANCE:60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="checkbox"/>	<input type="checkbox"/>					
COLD	EXPOSED AT -55 °C, 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 HSO <sup>3</sup> 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 °C 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 °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="checkbox"/>	<input type="checkbox"/>					
RESISTANCE TO WATER	①EXPOSED TO 80°C ENVIROMENT FOR 1h, ②IMMERSED IN THE WATER TO THE DEPTH 100mm FOR 0.5h, ③LEFT IN THE AMBIENT TEMPERATURE FOR 2h, STEPS ② AND ③ ARE 1 CYCLE, 10CYCLES PERFORMED.	NO WATER PENETRATION PERMITTED.	<input type="radio"/>	<input type="checkbox"/>					
<b>REMARKS</b>					DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.					S. KURIYA '02.10.10	S. KURIYA '02.10.10	M. Abada '02.10.18	K. Sato '02.10.18	
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.					<b>SPECILICATION SHEET</b>			PART NO. GT5W-1PP-HU	
CODE NO. (OLD) CL			DRAWING NO. ELC4-165492			CODE NO. CL755-0070-1			1 1

