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

DESCRIPTION OF REVISIONS		BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS		BY	CHKD	DATE
△						△				
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO 105 °C (NOTES1)				STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C			
	VOLTAGE	250V AC				CURRENT	1A			
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		1A DC.				30 mΩ MAX.			○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20mV AC MAX,0.1mA (DC OR 1000Hz)				30 mΩ MAX.			○	—
INSULATION RESISTANCE		DC 500V				100 MΩ MIN.			○	—
VOLTAGE PROOF		AC 500 V FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			○	—
MECHANICAL CHARACTERISTICS										
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, 43.1m/S ² , AT 3h 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,66.6m/ 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.			○	—
LOCKING STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 98N 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%, 500h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ 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. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—
DRY HEAT		EXPOSED AT 105°C, 300h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.			○	—
COLD		EXPOSED AT -55°C, 120h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.			○	—
RESISTANCE TO HSO ³ GAS		EXPOSED IN 500 PPM FOR 8h.				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. TOP OF IRON 350°C, 3 s.				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.			—	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
NOTES1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					'06.10.12 S.KURIYA	'01.10.5 K.NEI	<i>K. Aoto</i> 06.10.12	<i>K. Aoto</i> 06.10.12		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. GT13-30/1.6-2.9PCF(70)		
CODE NO.(OLD) CL			DRAWING NO. ELC4-165831-01			CODE NO. CL763-0041-8-70			1 1	

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