

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			
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		20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)			30 mΩ MAX			○	—
MILLIVOLT LEVEL METHOD									
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:60mΩ 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:60mΩ 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:60mΩ MAX ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.			○	—
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.			—	—
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 500 CYCLES.			① CONTACT RESISTANCE:60 mΩ MAX 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 HSO ³ 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.					S.KURIYA	N.HARU	K. Aoto	K. Aoto	
					'07.6.7	'05.6.25	'07.6.7	'07.6.7	
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS		HIROSE ELECTRIC CO., LTD.			SPECIFICATION SHEET			PART NO. GT25-2428SCF	
CODE NO. (OLD)		DRAWING NO.			CODE NO.			1/1	
		ELC4-166484			CL775-0013-2			1	