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	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 RASISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)	30 mΩ MAX	○	—
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 ℃, 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 ℃ 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 ℃, 300 h.	① CONTACT RESISTANCE:60 mΩ MAX	○	—
		② NO HEAVY CORROSION.	○	—
COLD	EXPOSED AT −55 ℃, 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 ℃ FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—
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.	—	—

REMARKS

NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.

DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED
S.KURIYA '07.6.7	N.HARUBAYASHI '05.6.25	K. Sato '07.6.7	K. Sato '07.6.7	

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test

TO

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. GT25−2428SCF
CODE NO. (OLD)	DRAWING NO. ELC4−166484	CODE NO. CL775−0013−2