

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C
	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.	x x
MARKING		CONFIRMED VISUALLY.			x x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		1A DC.		30 mΩ MAX.	x -
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		30 mΩ MAX.	x -
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		0.8×0.64 BY STEEL GAUGE.		INSERTION FORCE 3.8N MAX. EXTRACTION FORCE 0.6~3.8N MIN.	x x
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x x
VIBRATION		FREQUENCY 20 TO 200 Hz, AMPLITUDE — mm, 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.	x x x
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.	x x x
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.	- -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 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.	x - x
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.	x - x
DRY HEAT		EXPOSED AT 105°C, 300 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	x x
COLD		EXPOSED AT -55°C, 120 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	x x
CORROSION, SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	x x
RESISTANCE TO HSO ³ GAS		EXPOSED IN 500 PPM FOR 8 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	x x
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	- -
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 °C FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	- -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-T-00001836	KK. FURUKAWA	TH. MIZUGUCHI	17. 02. 07
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			APPROVED	KS. SATOH	05. 01. 05
			CHECKED	NA. HARUBAYASHI	05. 01. 05
			DESIGNED	TK. SHISHIKURA	05. 01. 05
			DRAWN	TK. SHISHIKURA	05. 01. 05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-165417-00-00
	SPECIFICATION SHEET		PART NO.	GT17-2428SCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL767-0010-0-00	 1/1