





APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C (Note 1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(Note 2)		
	VOLTAGE	— 		STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX		
	CURRENT	1.5 ~ 2 A (Note 3)			(NOT DEWED)		
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 MILLIVOLT LEVEL METHOD		20 mV AC MAX, 1 mA(DC OR 1000Hz)		30 mΩ MAX .		X	—
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.		—	—
VOLTAGE PROOF		300 V AC FOR 1 min.		NO BREAKDOWN.		—	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		10 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X X	— —
VIBRATION		FREQUENCY 5 TO 600Hz (5 TO 14.9Hz:16.5mm(p-p), 14.9 TO 600Hz:73.0m/s <sup>2</sup> ) AT 3h FOR 8 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X X X	— — —
SHOCK		500m/s <sup>2</sup> DURATION OF PULSE 10ms AT 10 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X X	— —
LOCK STRENGTH		MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.		① 25 N MIN		—	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE:500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X — X	— — —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40→5 TO 35→125→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X X	— —
DRY HEAT		EXPOSED AT 125°C, 1000 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X X	— —
COLD		EXPOSED AT -40°C, 1000 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X X	— —
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
	1	DIS-T-00020612		AN. SAIKI		TY. MOGI	20240403
REMARK				APPROVED	HK. UMEHARA	20200806	
(NOTE1) Include the temperature rising by current.				CHECKED	OM. MIYAMOTO	20200805	
(NOTE2) Apply to the condition of long term storage for unused products before harness assembly. After harness assembly, operating temperature and humidity range is applied for interim storage during transportation.				DESIGNED	YT. TAKANASHI	20200805	
(NOTE 3) For use with 2 to 4 Pin Connector : 2.0A applied For use with 6 to 16 Pin Connector : 1.5A applied				DRAWN	GY. YOON	20200805	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-392584-00-00	
	SPECIFICATION SHEET			PART NO.	GT50-28SCFA		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0760-1001-0-00  1/1		