





APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C (Note 1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C (Note 2)		
	VOLTAGE	60 V AC/DC		STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX		
	CURRENT	1.5 A			(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		20 mV AC MAX, 1 mA(DC OR 1000Hz)		30 mΩ MAX .		X	—
MILLIVOLT LEVEL METHOD							
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.		X	—
VOLTAGE PROOF		300 V AC FOR 1 min.		NO BREAKDOWN.		X	—
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 ²) 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 ² 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		X	—
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 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	— —
RESISTANCE TO SOLDERING HEAT		SPECIFIED TEMPERATURE PROFILE FOR 2CYCLES.		NO DEFORMATION OF CASE AND EXCESSIVE DISTORTION OF THE TERMINALS.		X	—
SOLDERABILITY		SOLDERED AT SPECIFIED TEMPERATURE PROFILE.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.		X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
	1	DIS-T-00013143		YT. TAKANASHI		OM. MIYAMOTO	20220303
REMARK				APPROVED	HK. UMEHARA	20201224	
(NOTE1) Include the temperature rising by current.				CHECKED	OM. MIYAMOTO	20201224	
(NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.				DESIGNED	YT. TAKANASHI	20201222	
				DRAWN	YT. TAKANASHI	20201222	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-392595-00-00	
	SPECIFICATION SHEET			PART NO.	GT50-16P-1H		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0760-1012-0-00  1/1		