

APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +105 °C (NOTE1)		STORAGE TEMPERATURE RANGE	 -10 °C TO +60 °C (NOTE2)				
	CURRENT	3 A		STORAGE HUMIDITY RANGE 	RELATIVE HUMIDITY 85% MAX (NOT DEWED)				
	VOLTAGE	250V AC							
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									
VOLTAGE DROP		12 V DC, 1A DC.		30 mV/A MAX.		x —			
CONTACT RESISTANCE		20 mV AC, 1 mA AND 10 mA AC.		30 mΩ MAX.		x —			
MILLIVOLT LEVEL METHOD									
INSULATION RESISTANCE		500 V DC FOR 30 sec.		100 MΩ MIN.		x —			
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x —			
MECHANICAL CHARACTERISTICS									
MECHANICAL OPERATION		50 TIMES OF INSERTION AND EXTRACTION.		① CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
VIBRATION		FREQUENCY AT 20 TO 600 Hz, ACCELERATION AT 1.0~43.1 m/s ² FOR 3 h ON EACH 3 DIRECTIONS.							
				① NO ELECTRICAL DISCONTINUITY OF 7 Ω OR MORE FOR 1 μs.	x	—			
				② CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX.	x	—			
				③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
SHOCK		AFTER THE DRY HEAT TEST, APPLYING SHOCK 3 TIMES WITH ACCELERATION AT 981 m/s ² IN BOTH DIRECTIONS OF THE 3 AXES.		① NO ELECTRICAL DISCONTINUITY OF 7 Ω OR MORE FOR 1 μs. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
LOCK STRENGTH		PULL BACK IN THE MATING DIRECTION AND MEASURE THE FORCE AT THE MOMENT OF THE LOCK IS BROKEN.		100 N MIN.		x —			
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT		EXPOSED AT 60 °C, 90 ~ 95 % RH FOR 96 h.		① CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
THERMAL SHOCK		TEMPERATURE- 40 → ROOM TEMP. → 120 → ROOM TEMP. TIME 30 → 5 → 30 → 5 min UNDER 500 CYCLES.		① CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
DRY HEAT		EXPOSED AT 120 °C FOR 120 h.		① CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
COLD		EXPOSED AT -40°C FOR 120 h.		① CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	x	—			
RESISTANCE TO SO ₂ GAS		EXPOSED AT 40 °C, 90 ~ 95 % RH, 10 ppm FOR 24 h.		CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX.	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 IMMERSSED.	x —				
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE			
	3	DIS-T-00009122		AN. SAIKI	HH. TSUKUMO	20210413			
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT. (NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB. 				APPROVED	AR. SHIRAI	20180416			
				CHECKED	HS. OZAWA	20180416			
				DESIGNED	YT. HAYAKAWA	20180416			
				DRAWN	SK. HANAWA	20180416			
Note QT: Qualification Test AT: Assurance Test X: Applicable Test				DRAWING NO.		ELC-361742-10-00			
	SPECIFICATION SHEET			PART NO.	GT25H2-40DP-2. 2H (10)				
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0775-0090-3-10	 1/1			