

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		
	VOLTAGE	250V AC		(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						
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 — 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. ② CONTACT RESISTANCE MILLIVOLT LEVEL METHOD : 60 mΩ MAX. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.		x — x — 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 — 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 — x — 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 — 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 — 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 — 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				APPROVED	AR. SHIRAI	20180416
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				CHECKED	HS. OZAWA	20180416
(NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.				DESIGNED	YT. HAYAKAWA	20180416
				DRAWN	SK. HANAWA	20180416
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			DRAWING NO.		ELC-361741-10-00	
	SPECIFICATION SHEET		PART NO.	GT25H2-16DP-2. 2H (10)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0775-0089-4-10		1/1