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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +105 °C (NOTE1)	STORAGE TEMPERATURE RANGE $\triangle 1$ -10 °C TO +60 °C(NOTE2)		
	CURRENT	3 A	STORAGE HUMIDITY RANGE $\triangle 1$ 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					
CONTACT RESISTANCE	1A DC.	30 m Ω MAX.	x	-	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 m Ω MAX.	x	-	
INSULATION RESISTANCE	500 V DC.	1000 M Ω MIN.	x	-	
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	-	
MECHANICAL CHARACTERISTICS					
TERMINAL INSERTION AND EXTRACTION FORCE	MEASURING AT 100mm/min.	4.9N MAX.	x	-	
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
VIBRATION	FREQUENCY 20 TO 400 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② CONTACT RESISTANCE: 60 m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/s ² AT 1 h.	① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② CONTACT RESISTANCE: 60 m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 98N MAX.	① DURING APPLYING, MATING COMPLETELY. ② AFTER APPLYING, NO DEFECT OF MATING PARTS.	x	-	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.	① CONTACT RESISTANCE: 60 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE- 40 \rightarrow 5 TO 35 \rightarrow 120 \rightarrow 5 TO 35 °C TIME 30 \rightarrow 5 \rightarrow 30 \rightarrow 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 60 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
DRY HEAT	EXPOSED AT 105 °C, 300 h.	① CONTACT RESISTANCE: 60 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
COLD	EXPOSED AT -40 °C, 120 h.	① CONTACT RESISTANCE: 60 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
RESISTANCE TO SO ₂ GAS	EXPOSED IN 500 PPM FOR 8h.	① CONTACT RESISTANCE: 60 m Ω MAX.	x	-	
RESISTANCE TO SOLDERING HEAT	SPECIFIED TEMPERATURE PROFILE FOR 2CYCLES.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS 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
$\triangle 1$	3	DIS-T-00009122	AN. SAIKI	HH. TSUKUMO	20210413
REMARK			APPROVED	AR. SHIRAI	20180219
NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	HS. OZAWA	20180219
NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB. $\triangle 1$			DESIGNED	TK. SHISHIKURA	20180219
			DRAWN	TK. SHISHIKURA	20180219
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-360213-00-00
HRS	SPECIFICATION SHEET		PART NO.	GT25H2-24DP-2.2V	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0775-0083-8-00	$\triangle 1$ 1/1