

In case of consideration for using Autom otive equipm ent/device which dem and high reliability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE			
OPERATING TEMPERATURE RANGE	-35°C T0 + 85°C (NOTE 1)	TEMPERATURE RANGE	-10°C T0 + 60°C (NOTE 2)		
VOLTAGE	150V AC	APPLICABLE CONNECTOR	DF13/DF13A-40DP-1.25V (55)		
CURRENT	1A		DF13/DF13A-40DP-1.25V (56)		
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION		ACCORDING TO DRAWING.			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100m A (DC OR 1000 HZ).	30mΩ MAX.	X	-	
INSULATION RESISTANCE	100V DC.	500MΩ MIN.	X	-	
VOLTAGE PROOF	500V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		50TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X -	
VIBRATION	FREQUENCY 10 TO 55 HZ, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X -	
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X -	
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2°C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
CORROSIN SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48h.	NO HEAVY CORROSION.	X	-	
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96h. (TEST STANDARD: JEIDA-39)	NO HEAVY CORROSION.	X	-	
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE: 260 ± 5°C, FOR IMMERSION, DURATION, 5S.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE: 230 ± 10°C FOR INSERTION DURATION, 3 SECONDS.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.	X	-	
REMARKS		NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE 2: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBOARD. OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.			
Unless otherwise specifid, refer to JIS C 5402.					
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△			APPROVED TY. OMA CHECKED HK. UMEHARA DESIGNED TS. KUMAZAWA DRAWN AK. MUIRA	06.02.02 06.02.02 06.01.31 06.01.25	
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.	ELG4-160787-02		
HRS SPECIFICATION SHEET		PART NO.	DF13-40DS-1.25DSA (55)		
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536-0635-3-55		
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