




APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35℃ TO 85℃ (NOTE 1)	STORAGE TEMPERATURE RANGE	-10℃ TO 60℃	
	VOLTAGE	250V AC			
	CURRENT	3A			
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		100m A (DC OR 1000 Hz).	30mΩ MAX.	X	—
INSULATION RESISTANCE		500V DC.	1000MΩ MIN.	X	—
VOLTAGE PROOF		650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30TIMES 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 10μs. 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.	① NO ELECTRICAL DISCONTINUITY OF 10μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→85→5 TO 35℃ TIME 30→10 TO 15→30→10TO15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ 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: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT		【FLOW CONDITION BY AUTOMATIC SOLDERING UNIT】 SOLDER TEMPERATURE 260±5℃,FOR IMMERSION DURATION 10s.(ONE TIME) 【RECOMMENDED MANUAL SOLDELING CONDITION】 SOLDERING IRON TEMPERATURE 350℃ SOLDERING TIME : WITHIN 3 SECONDS. DO NOT APPLY ANY FORCE TO THE CONTACTS.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 245±5℃ FOR IMMERSION DURATION 5s.	SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARKS NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT. UNLESS OTHERWISE SPECIFIED , REFER TO JIS C 5402 .			APPROVED	WR. FUKUCHI	18.06.05
			CHECKED	TS. MIYAZAKI	18.06.05
			DESIGNED	KT. KUSAKA	18.06.05
			DRAWN	KT. KUSAKA	18.06.04
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-082739-95-01
	SPECIFICATION SHEET		PART NO.	MDF7S-30DP-2. 54DSA (95)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL547-0324-7-95	 1/1