

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾		
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	85% RH MAX(NOT DEWED)		
	CURRENT	1 A	STORAGE HUMIDITY RANGE			
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	100 mA (DC OR 1000 Hz).	15 mΩ MAX.	x	-		
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	x	-		
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	-		
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	□0.5±0.002mm BY STEEL GAUGE.	INSERTION FORCR: 2.45NMAX EXTRACTION FORCE: 0.25NMIN	x	-		
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-		
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5mm, AT 2h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-		
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		x	-		
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE:1000 MΩ MIN.	x	-		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-65→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO HEAVY CORROSION.	x	-		
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA 39)		x	-		
RESISTANCE TO SOLDERING HEAT	1) SOLDER TEMPERATURE , 260±5 °C FOR IMMESION,DURATION,10±1s 2) SOLDERING IRONS : 350 °C, FOR 5 s MAX	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	x	-		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 2 s.	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	
△						
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	HS. OKAWA	16.01.20	
			CHECKED	HT. YAMAGUCHI	16.01.20	
			DESIGNED	TY. EDAGAWA	16.01.20	
Unless otherwise specified, refer to IEC 60512			DRAWN	TY. EDAGAWA	16.01.20	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-083484-71-00	
HRS	SPECIFICATION SHEET		PART NO.	A3-50DA-2DS (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621-0714-7-71	△	1/1