

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C ⁽²⁾
	OPERATING HUMIDITY RANGE	40 % TO 80 %		STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾
	VOLTAGE	200 V AC		APPLICABLE CABLE	—
	CURRENT	1 A		INSULATION	—
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×
MARKING		CONFIRMED VISUALLY.			×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		15 mΩ MAX.	×
INSULATION RESISTANCE		500 V DC		1000 MΩ MIN.	×
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		□0.5 ± 0.002 mm BY STEEL GAUGE.		INSERTION FORCE : 2.45 N MAX. EXTRACTION FORCE: 0.25 N MIN.	×
MECHANICAL OPERATION		100 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 h IN 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			×
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65 → +15 TO +35 → +125 → +15 TO +35 °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min. UNDER 5 CYCLES.			×
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.	×
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)			×
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s. 2) SOLDERING IRONS : 350°C FOR 3 s MAX.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×
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.	×
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK				APPROVED	HS. OKAWA
(1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED.				CHECKED	HT. YAMAGUCHI
(2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.				DESIGNED	MT. ITANO
Unless otherwise specified, refer to MIL-STD-1344.				DRAWN	MT. ITANO
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-083492-71-21
HRS	SPECIFICATION SHEET		PART NO.	A3C-50DA-2DSC (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621-0554-2-71	△ 1/1