

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾		
	VOLTAGE	300 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %		
	CURRENT	1 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾		
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).		30 mΩ MAX.	×	-
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	×	-
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×	-
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		□0.635±0.002 BY STEEL GAUGE.		INSERTION FORCE : 2.9 N MAX. EXTRACTION FORCE : 0.3 N MIN.	×	-
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		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 AT 3 TIMES FOR 3 DIRECTIONS.			×	-
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000 MΩ MIN.	×	-
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.	×	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 30 mΩ MAX. ② NO HEAVY CORROSION.	×	-
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)			×	-
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH:SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,10±1s. 2) SOLDERING IRONS : 360°C FOR 5 s MAX.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 245±3°C FOR IMMERSION DURATION, 2s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△0						
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	06.04.28	
			CHECKED	HS.OZAWA	06.04.28	
			DESIGNED	KT.DOI	06.04.28	
Unless otherwise specified, refer to MIL-STD-1344.			DRAWN	KT.DOI	06.04.28	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-019402-21	
HRS	SPECIFICATION SHEET		PART NO.	HIF3FB-60DA-2. 54DSA (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL616-0210-8-71	△0	1/1