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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		UL:UL1977				
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	RELATIVE HUMIDITY 85% MAX (NOT DEWED)		
	CURRENT	3 A	STORAGE HUMIDITY RANGE			
UL RATING	VOLTAGE	250 V AC				
	CURRENT	1 A				
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS		
CONSTRUCTION				QT	AT	
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		
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		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		□0.635±0.002mm BY STEEL GAUGE.		INSERTION FORCE: 4.4 N MAX. EXTRACTION FORCE: 0.56 N MIN.	x -	
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		①CONTACT RESISTANCE: 15 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
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.		①CONTACT RESISTANCE: 15 mΩ MAX. ②INSULATION RESISTANCE:1000 MΩ MIN.		
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.		③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		①CONTACT RESISTANCE: 15 mΩ MAX. ②NO HEAVY CORROSION.		
SULPHUR DIOXIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA - 38)		x -		
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, 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
△	2	DIS-F-00005942		AK. IWAHORI	HT. YAMAGUCHI	20200313
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	HT. YAMAGUCHI	20181210
				CHECKED	HT. YAMAGUCHI	20181210
				DESIGNED	HR. NAGAYASU	20181207
Unless otherwise specified, refer to MIL-STD-202.				DRAWN	TS. HORI	20181207
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-386221-00-00	
HRS	SPECIFICATION SHEET		PART NO.	HIF3H-*DA-2. 54DSA (61)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	△ 1/1		