

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C				STORAGE TEMPERATURE RANGE			
RATING	VOLTAGE	200 V AC				OPERATING HUMIDITY RANGE			
	CURRENT	3 A				STORAGE HUMIDITY RANGE			
SPECIFICATIONS									
ITEM	TEST METHOD				REQUIREMENT				QT/AT
CONSTRUCTION									
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING								○ ○
MARKING	CONFIRMED VISUALLY								○ ○
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)				30mΩ MAX.				○ -
CONTACT RESISTANCE	20 mV MAX, mA (DC OR 1000 Hz)				mΩ MAX.				- -
MILLIVOLT LEVEL METHOD									- -
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	BY STEEL GAUGE.				INSERTION FORCE: 7.8N MAX. EXTRACTION FORCE: 0.4N MIN.				○ -
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE: N MAX. WITHDRAWAL FORCE N MIN.				- -
MECHANICAL OPERATION	100 TIMES INSERTION AND EXTRACTIONS.				1) CONTACT RESISTANCE: 30 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.				○ -
VIBRATION	FREQUENCY: 10 TO 55 Hz, AMPLITUDE: 1.5 mm, m/s ² AT 2 h FOR 3 DIRECTIONS.				1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) CONTACT RESISTANCE: -- mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.				○ -
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:				○ -
RAPID CHAGE OF TEMPERTURE	TEMPERTURE -55 → +5 → +35 → +125 → +5 → +35 °C TIME 30 → MAX5 → 30 → MAX 5 min. UNDER 5 CYCLES.				1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.				○ -
DAMP HEAT,CYCLIC	EXPOSED AT TO °C, TO °C, %,TOTAL CYCLES(h).				1) CONTACT RESISTANCE: mΩ MAX. 2) INSULATION RESISTANCE: MΩ MIN.(AT HIGH HUMIDITY) 3) INSULATION RESISTANCE: MΩ MIN.(AT DRY) 4) NO DAMAGE, CRACK AND LOOSENESS OF PART.				- -
DRY HEAT	EXPOSED AT °C, h.				1) CONTACT RESISTANCE: mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.				- -
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 PPM FOR h. (TEST STANDARD:JEIDA-38)								- -
SULPHUR DIOXIDE	EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-39)								- -
RESISTANCE TO SOLDERING HEAT SOLDERABILITY	SOLDER TEMPERATURE, °C FOR IMMERSION,DURATION, s.(MIL-STD-202) SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.(MIL-STD-202)				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.				- -
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-202. , REFER TO MIL-C-21097.				J. Takada	J. Takada	H. Okawa	H. Yamaguchi		
				'97.04.15	'97.04.15	'97.04.15	97.04.15		
NOTE	QT: QUALIFICATION TEST AT: ASSURANCE TEST ○: APPLICABLE TEST				PART NO.				
HRS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET				HIF3GA-2.54SP	
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1			
CL		ELC4-17306		CL 562-0403-4		1			