COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

APPLICATION STANDARD

	OPERATING TEMPERATURE RANGE	-55 ℃ TO +85 ℃	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 MILLIVOLT LEVEL METHOD	20 mV MAX, mA (DC OR 1000 Hz)	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	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/s² AT 2 h FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) CONTACT RESISTANCE: -- mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS	○	–
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	OF PART.	○	–
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 ℃, 90~95 %, 96 h.	1) CONTACT RESISTANCE: 30 mΩ MAX. 2)INSULATION RESISTANCE: 1000 MΩ MIN.	○	–
RAPID CHAGE OF TEMPERTURE	TEMPERTURE -55→+5~+35→+125→+5~+35℃ TIME 30 → MAX5 → 30 → MAX 5 min. UNDER 5 CYCLES.	3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	○	–
DAMP HEAT,CYCLIC	EXPOSED AT TO ℃, TO %,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 ℃, 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	SOLDER TEMPERATURE, ℃ FOR IMMERSION,DURATION, s.(MIL-STD-202)	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	–	–
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, ℃ FOR IMMERSION DURATION, s.(MIL-STD-202)	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.Takeda '97.04.15	J.Takeda '97.04.15	H.Okawa '97.04.15	M.Yamaguchi 97.04.15	

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○: APPLICABLE TEST

HRS HIROSE ELECTRIC CO.,LTD. SPECIFICATION SHEET PART NO. HIF3GA-2.54SP

CODE NO.(OLD)	DRAWING NO.	CODE NO.	
CL	ELC4-17306	CL 562-0403-4	1

FORM NO. 231-1

TO