






APPLICABLE STANDARD				
RATING	FREQUENCY RANGE	0.045 TO 3 GHz	STORAGE TEMPERATURE RANGE	-40°C TO +85°C
	POWER	4 W	CHARACTERISTIC IMPEDANCE	50 Ω
	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	OPERATING HUMIDITY RANGE	% TO 90% (Non condensing)
<b>SPECIFICATIONS</b>				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.			
<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	50 mΩ MAX.	×	×
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	100 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	×
V.S.W.R. 	FREQUENCY 0.045 TO 1.0 GHz	N·C, N·O : 1.2 MAX	×	—
	FREQUENCY 1.0 TO 2.0 GHz	N·C, N·O : 1.4 MAX		
	FREQUENCY 2.0 TO 3.0 GHz	N·C, N·O : 1.7 MAX		
INSERTION LOSS 	FREQUENCY 0.045 TO 1.0 GHz	N·C : 0.2dB MAX. N·O : 0.3dB MAX.	×	—
	FREQUENCY 1.0 TO 2.0 GHz	N·C : 0.4dB MAX. N·O : 0.5dB MAX.		
	FREQUENCY 2.0 TO 3.0 GHz	N·C : 0.6dB MAX. N·O : 1.0dB MAX.		
ISOLATION	FREQUENCY 0.045 TO 1.0 GHz	20 dB MIN.	×	—
	FREQUENCY 1.0 TO 2.0 GHz	18 dB MIN.		
	FREQUENCY 2.0 TO 3.0 GHz	12 dB MIN.		
<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE : 100mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s <sup>2</sup> 1 CYCLE : 11min, 10 CYCLES FOR EACH 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) CONTACT RESISTANCE : 100mΩMAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	ACCELERATION : 490 m/s <sup>2</sup> DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. (INITIAL VALUE)	INSERTION FORCE : 1~10N WITHDRAWAL FORCE : 3~15N	×	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5-35 → +85 → 5-35 °C TIME 30 → 2-3 → 30 → 2-3 min. UNDER 100 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SALT MIST	EXPOSED IN 5±1% TEMPERATURE 35±2°C SALT WATER SPRAY FOR 48h	1) CONTACT RESISTANCE : 100mΩMAX. 2) NO HEAVY CORROSION.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT +40°C, 90~95%,96h. THEN LEAVE IT FOR ONE HOUR OR TWO IN THE AMBIENT TEMPERATURE AND HUMIDITY.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
				
REMARK	<b>RoHS COMPLIANT</b>		APPROVED	KH. IKEDA 15.08.03
 N·O SPEC INCLUDE MS-151-C(LP) AND CABLE . Unless otherwise specified, refer to IEC-60512.			CHECKED	NK. NINOMIYA 15.08.03
			DESIGNED	RO. FURUYAMA 15.08.03
			DRAWN	RO. FURUYAMA 15.08.03
Note	QT:Qualification Test AT:Assurance Test ×:Applicable Test	DRAWING NO.	ELC-353753-01-01	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	MS-151NB-1 (01)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL358-0345-4-01	 1/1