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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					
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)	
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 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.			
MECHANICAL CHARACTERISTICS					
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 ² 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 ² 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	×	-	
ENVIRONMENTAL CHARACTERISTICS					
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			APPROVED	KH. IKEDA	15.08.03
N·O SPEC INCLUDE MS-151-C(LP) AND CABLE . Unless otherwise specified, refer to IEC-60512.			RoHS COMPLIANT		
			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		
HRS	SPECIFICATION SHEET		PART NO.	MS-151NB-1 (01)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL358-0345-4-01	△ 1/1