

APPLICABLE STANDARD		SD Card Specifications Ver. 1.0			
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C
	VOLTAGE	AC 125V		OPERATING HUMIDITY RANGE	95%MAX (NON-CONDENSING)
	CURRENT	0.5A			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-2a		OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.		INITIALLY 100 mΩ MAX (NOTE 2).	X -
VOLTAGE PROOF IEC60512-2-4a		500 Vrms AC IS APPLIED FOR 1 min.		① NO FLASHOVER OR BREAKDOWN. ② CURRENT LEAKAGE 1mA MAX.	X -
INSULATION RESISTANCE IEC60512-2-3a		MEASURE WITHIN 1 min AFTER APPLYING 500 V DC.		INITIALLY 1000 MΩ MIN.	X -
MECHANICAL CHARACTERISTICS					
CARD INSERTION FORCE		MEASURED BY APPLICABLE CORD AT 25mm/min.		THE INITIAL STAGE:10 N MAX. AFTER MECHANICAL OPERATION:10N MAX.	X -
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class1.1		10000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE 400 TO 600 CYCLES/h.		① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAX CHANGE. (CONTACT RESISTANCE REVERSION BY INSERTION AND EXTRACTION IS AVAILABLE) ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X -
VIBRATION AND HIGH FREQUENCY IEC60512-4-6d		FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75 mm FOR 2 h IN 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X -
SHOCK IEC60512-4-6c		ACCELERATION 490m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTIONS.			X -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT, CYCLIC IEC60512-6-11m		10 CYCLES (1 CYCLE=24 HOURS)WITH CONNECTORS ENGAGED. 		① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAX CHANGE. ② INSULATION RESISTANCE: AFTER TEST 100 MΩ MIN. ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
△					
REMARK				APPROVED	05.07.20
NOTE 1:INCLUDE THE TEMPERATURE RISE BY CURRENT.				CHECKED	05.07.19
NOTE 2:CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE.UNLESS OTHERWISE SPECIFIED, THE TEST SHOULD BE DONE UNDER TEMP. 15 TO 35°C, AIR PRESSURE 86 TO 106kPa, RELATIVE HUMIDITY 25 TO 85%.				DESIGNED	05.07.19
				DRAWN	05.07.15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-153736-02
HRS	SPECIFICATION SHEET		PART NO.	DM1AA-SF-PEJ (82)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL609-0004-8-82	△ 1/2

FORM HD0011-2-2