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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	OPERATING TEMPERATURE RANGE	-25°C TO 60°C [△]	STORAGE TEMPERATURE RANGE	-25°C TO 60°C [△]	
	VOLTAGE	125 V AC	CURRENT	100 mA	
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	100 mA (DC OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. <div style="text-align: center;"> <p>TEST POINT 100 mm PLUG MODULAR CABLE RECEPTACLE</p> <p>(ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)</p> </div>	230 mΩ MAX.	X	X	
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	X	
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 5μs. ② CONTACT RESISTANCE: 250 mΩ MAX.	X	-	
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
RUBBER PROBE	RUBBER PROBE Φ6.9 ± 0.5 mm, DIAMETER SHALL BE INSERTED AND WITHDRAWN. (TEST STANDARD:UL1863)	NO DEFECT AT WITHDRAWING.	X	X	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40°C, 90 TO 95 %, 500 h	① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3→5 TO 35→85±2→5 TO 35 °C TIME 30 TO 35→5 MAX→30 TO 35→5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 250 mΩ MAX. ② NO HEAVY CORROSION.	X	-	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
[△]	4	DIS-E-00002925	KIM JAEHYEON	TU. TANIGUCHI	20200326
REMARK			APPROVED	HO. MIWA	20050105
			CHECKED	TH. KAMEYA	20050105
			DESIGNED	SS. SATOH	20050105
			DRAWN	SS. SATOH	20050105
Unless otherwise specified, refer to IEC 60512. [△]					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-120679-03-06	
HRS	SPECIFICATION SHEET		PART NO.	TM11AP-88P (03)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2780-6-03	[△] 1/1