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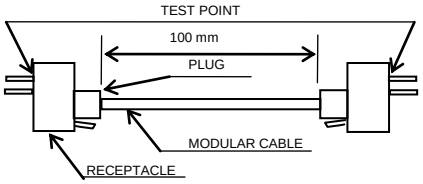
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25°C TO 60°C △1	STORAGE TEMPERATURE RANGE	-25°C TO 60°C △1
	VOLTAGE	125 V AC	CURRENT	500 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.  (ONE EXAMPLE OF CONNECTOR CONFIGURTION IS SHOWN.)	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	–
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→5 TO 35→85→5 TO 35 ℃ TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	–
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△3	3	DIS-E-00002925	KIM JAEHYEON	TU. TANIGUCHI	20200326

REMARK

Unless otherwise specified, refer to IEC 60512. △1

APPROVED	HO. MIWA	20050105
CHECKED	TH. KAMEYA	20050105
DESIGNED	SS. SATOH	20050105
DRAWN	SS. SATOH	20050105

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-120679-00-00

HRS	SPECIFICATION SHEET	PART NO.	TM11AP-88P	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2780-6-00 △3	1/1

FORM HD0011-2-1