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

<b>APPLICABLE STANDARD</b>		TIA / EIA - 568 - B.2 CAT5e CAT6 (REQUIREMENTS FOR BASIC LINK CONFIGURATION)			
RATING	OPERATING TEMPERATURE RANGE	1 -25 °C TO +60 °C <sup>△</sup>		STORAGE TEMPERATURE RANGE	2 -25 °C TO +60 °C <sup>△</sup>
	VOLTAGE	125 V AC		CURRENT	1 A
<b>SPECIFICATIONS</b>					
ITEM		TEST METHOD		REQUIREMENTS	
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.		X	X
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).		50 mΩ MAX.		X X
INSULATION RESISTANCE	100 V DC.		100 MΩ MIN.		X X
VOLTAGE PROOF (CONTACT TO CONTACT)	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X X
NEAR END CROSSTALK (NEXT) VOSS	MEASURED MINIMUM NEXT LOSS FOR EACH. PAIR COMBINATION AT 100 Hz. PATCH CORD TEST 0.5m.		35.28 dB MIN		X -
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	750 TIMES INSERTIONS AND EXTRACTIONS.		1)CONTACT RESISTANCE: 70 mΩ MAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
VIBRATION	1 CYCLE: FREQUENCY 10 → 55 → 10 Hz, SINGLE AMPLITUDE 0.75 mm, 1 OCTAVE 1 MINUTE TEST FOR 10 CYCLE EACH IN 3 DIRECTIONS.		1)NO ELECTRICAL DISCONTINUITY OF 5 μs. 2)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.				X -
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT +40 °C, 90 ~ 95 %, 500 h.		1)CONTACT RESISTANCE: 70 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→5~35→85±2→5~35 °C TIME 30 → 5MAX→ 30 → 5MAX min UNDER 5 CYCLES.		1)CONTACT RESISTANCE: 70 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: 70 mΩ MAX. 2)NO HEAVY CORROSION.		X -
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
△	3 DIS-E-00002932		KIM JAEHYEON	TU.TANIGUCHI	20200403
REMARK			APPROVED	YH.ENAMI	20080311
1 THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING.			CHECKED	HK.TANAKA	20080311
2 PACKING MATERIAL IS NOT INCLUDED.			DESIGNED	MT.ITANO	20080311
Unless otherwise specified, refer to IEC 60512. △			DRAWN	MT.ITANO	20080311
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-125383-61-03
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	TM21DP-TM-88P(61)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2941-3-61	△ 1/1