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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	-40 °C TO +85°C(90%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C TO +85°C(90%RH MAX)	
	POWER	-w	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 3 GHz)	
	PECULIARITY	----	APPLICABLE CABLE	----	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			-	-
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz).		CENTER CONTACT 10 mΩ MAX.	X	X
			OUTER CONTACT 10 mΩ MAX.	X	X
INSULATION RESISTANCE	100 V DC.		500 MΩ MIN.	X	X
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 3 GHz.		VSWR 1.2 MAX.	X	-
INSERTION LOSS	FREQUENCY --- TO --- GHz.		---- dB MAX.	-	-
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	[HRM] $\phi 0.91^{+0.005}_0$ BY STEEL GAUGE.		EXTRACTION FORCE 1.5 ~ 4.9 N	X	X
	[E.FL] $\phi 0.475^{0}_{-0.004}$ BY STEEL GAUGE.		EXTRACTION FORCE 0.2 ~ 2 N	X	X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.[E.FL]		INSERTION FORCE ---- N MAX.	-	-
			EXTRACTION FORCE 20 N MAX.	X	X
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 15 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY --- TO --- Hz SINGLE AMPLITUDE --- mm, -- m/s ² AT -- CYCLES FOR -- DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF --- μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
SHOCK	--- m/s ² DIRECTIONS OF PULSE -- ms AT -- TIMES FOR -- DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT ---- N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	-	-
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT	EXPOSED AT +26 °C TO +65 °C , 80~96 % TOTAL 10 CYCLES (240H)		1) INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5-35 → +85 → 5-35°C TIME 30 → -- → 30 → -- min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK	RoHS COMPLIANT.		APPROVED	MH. YAMANE	12. 03. 27
			CHECKED	NK. NINOMIYA	12. 03. 27
			DESIGNED	YI. FUNADA	12. 03. 22
			DRAWN	YI. FUNADA	12. 03. 22
Unless otherwise specified, refer to JIS C 5402.					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-130515-40	
HR	SPECIFICATION SHEET		PART NO.	HRMJ-E. FLP (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0278-5-40	1/1