



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

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE			
OPERATING TEMPERATURE RANGE	-40 °C TO +85°C(90%RH MAX)	CHARACTERISTIC IMPEDANCE	-40°C TO +85°C(90%RH MAX)		
POWER	-W	APPLICABLE CABLE	50 Ω ( 0 TO 3 GHz)		
PECULIARITY	----		----		
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION		ACCORDING TO DRAWING.			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		X	X	
MARKING	CONFIRMED VISUALLY.		-	-	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz)	CENTER CONTACT OUTER CONTACT	10 mΩ MAX. 10 mΩ MAX.	X 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] φ0.91 <sup>+0.005</sup> <sub>0</sub> BY STEEL GAUGE. [E.FL] φ0.475 <sup>0</sup> <sub>-0.004</sub> BY STEEL GAUGE.	EXTRACTION FORCE	1.5 ~ 4.9 N	X X	
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.[E.FL]	EXTRACTION FORCE	0.2 ~ 2 N	X -	
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	INSERTION FORCE	----- N MAX.	- -	
		EXTRACTION FORCE	20 N MAX.	X X	
VIBRATION	FREQUENCY --- TO --- Hz SINGLE AMPLITUDE --- mm, --- m/s <sup>2</sup> AT -- CYCLES FOR -- DIRECTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 15 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -	
SHOCK	--- m/s <sup>2</sup> DIRECTIONS OF PULSE -- ms AT -- TIMES FOR -- DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF --- μs. 2) 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 -	
Δ	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK		APPROVED		MH. YAMANE	
ROHS COMPLIANT.		CHECKED		NK. NINOMIYA	
Unless otherwise specified, refer to JIS C 5402.		DESIGNED		YI. FUMADA	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		YI. FUMADA	
		ELC4-130515-40		12.03.22	
		SPECIFICATION SHEET		HRMJ-E, FLP (40)	
		HIROSE ELECTRIC CO., LTD.		CODE NO. QL311-0278-5-40	
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