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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(95%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C TO +85°C(95%RH MAX)
	POWER	——— W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 6 GHz)
	PECULIARITY	———	APPLICABLE CABLE	———

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		—	—
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	mA MAX (DC OR 1000 Hz).	CENTER CONTACT mΩ MAX.	—	—
		OUTER CONTACT mΩ MAX.	—	—
INSULATION RESISTANCE	100 V DC	500 MΩ MIN.	×	—
VOLTAGE PROOF	250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	×	—
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 6 GHz.	VSWR 1．2 MAX.	×	—
INSERTION LOSS	FREQUENCY TO GHz	dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES (HRM (SMA) SIDE)	MEASURED BY ϕ0.9017 $^{0}_{-0.0025}$STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE 0.3 N MIN.	×	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE N MAX.	—	—
MECHANICAL OPERATION	10000 TIMES INSERTIONS AND EXTRACTIONS. (W.FL2 SIDE 400-600 cycles per hour) 500 TIMES INSERTIONS AND EXTRACTIONS. (HRM (SMA) SIDE)	1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	–
VIBRATION	FREQUENCY TO Hz SINGLE AMPLITUDE mm, m/s² AT CYCLES FOR DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	–
SHOCK	m/s² DIRECTIONS OF PULSE ms AT TIMES FOR DIRECTIONS.		—	–
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,CYCLIC	EXPOSED AT TO °C, ～ % TOTAL CYCLES (h)	1) INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE → → → °C TIME → → → min. UNDER CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	–
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO AIR LEAKAGE.	×	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Ø					

REMARK

RoHS COMPLIANT

Unless otherwise specified, refer to JIS C 5402.

APPROVED	MH.YAMANE	06.06.22
CHECKED	NK.NINOMIYA	06.06.22
DESIGNED	YK.YASUMURO	06.06.21
DRAWN	TS.SAWAI	06.06.16

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

DRAWING NO. ELC4-312900-00

HRS	SPECIFICATION SHEET	PART NO.	HRMJ-W.FL2P-ST3	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL311-0417-0-00 Ø1	1/1

FORM HD0011-2-1