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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	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 (W.FL SIDE)	10000 TIMES INSERTIONS AND EXTRACTIONS. (400-600 cycles per hour)	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
A					

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	IJ.MITANI	05.08.10
CHECKED	KY.SHIMIZU	05.08.10
DESIGNED	NK.NINOMIYA	05.08.08
DRAWN	NK.NINOMIYA	05.08.08

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

DRAWING NO. ELC4-310456-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. HRMJ-W.FLP-ST3

CODE NO. CL311-0408-9-00 A1 1/1

FORM HD0011-2-1