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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	-55°C TO +125°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	-55°C TO +125°C(95%RH MAX)		
	POWER	_____ w	CHARACTERISTIC IMPEDANCE	5 0 Ω (0.045 TO 65 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	100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT	16 mΩ MAX.	X	X
			OUTER CONTACT	16 mΩ MAX.	X	X
INSULATION RESISTANCE	250 V DC.		500 MΩ MIN.		X	X
VOLTAGE PROOF	250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X	X
RETURN LOSS	FREQUENCY 0.045 TO 65 GHz.		RETURN LOSS	15dB MIN : 0.045 TO 26.5 GHz 10dB MIN : 26.5 TO 40 GHz 7dB MIN : 40 TO 65 GHz	X	X
INSERTION LOSS	FREQUENCY TO GHz		dB MAX.		-	-
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	φ0.32 ^{+0.0025} / ₀ BY STEEL GAUGE.		INSERTION FORCE	6.7 N MAX.	X	-
			EXTRACTION FORCE	N MIN	-	-
	φ0.2896 ^{+0.0025} / ₀ BY STEEL GAUGE.		INSERTION FORCE	N MAX.	-	-
			EXTRACTION FORCE	0.1 N MIN	X	X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : SMPMP(FD)-HVP]		INSERTION FORCE	26.7 N MAX.	X	-
			EXTRACTION FORCE	13.4 N MAX.	X	-
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 28 mΩMAX.CHANGE OUTER CONTACT 28 mΩMAX.CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	-
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 -10 TO +65 °C, 90~98 % TOTAL 10 CYCLES (240 h)		1) INSULATION RESISTANCE: 100 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 -65 → - → +125 → - °C TIME 30 → 3 → 30 → 3 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	
Q						
REMARK			APPROVED	MH. YAMANE	08.07.19	
RoHS COMPLIANT			CHECKED	TS. NOBE	08.07.18	
			DESIGNED	RO. YOKOYAMA	08.07.15	
Unless otherwise specified, refer to JIS C 5402.			DRAWN	RO. YOKOYAMA	08.07.15	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-312614-00	
HRS	SPECIFICATION SHEET		PART NO.	SMPM-A-JJ-532		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL338-0500-0-00		1/1