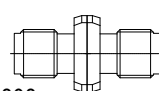


Sep. 1. 2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		MIL-STD-348B			
RATING	OPERATING TEMPERATURE RANGE	- 55° C TO + 105° C (95%RH MAX)	STORAGE TEMPERATURE RANGE	- 55° C TO + 50° C (95%RH MAX)	
	POWER	—W	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 40 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	4 mΩ MAX.	X X
			OUTER CONTACT	2 mΩ MAX.	X X
INSULATION RESISTANCE	500 V DC.		1000 MΩ MIN.		X X
VOLTAGE PROOF	500 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.04 TO 40 GHz □> TEST METHOD IS Back to Back		VSWR 1.10 MAX. (0.04 to 18 GHz)		
			VSWR 1.15 MAX. (18 to 26.5 GHz)	X	—
			VSWR 1.30 MAX. (26.5 to 40 GHz)		
INSERTION LOSS	FREQUENCY ---- TO ---- GHz		--- dB MAX.		— —
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	Φ0.9195 ⁰ _{-0.0025} BY STEEL GAUGE.		INSERTION FORCE	--- N MAX.	— —
			EXTRACTION FORCE	0.4 N MIN.	X X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE	--- N MAX.	— —
			EXTRACTION FORCE	--- N MIN.	— —
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩ MAX. CHANGE OUTER CONTACT 4 mΩ MAX. CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 12 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —
SHOCK	1960 m/s ² DIRECTIONS OF PULSE 6 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	EXPOSED AT -10 TO +65°C, 90 TO 98 % TOTAL 10 CYCLES (240h)		1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → --- → +105 → --- °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 48h.		NO HEAVY CORROSION.		X —
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
REMARK	RoHS COMPLIANT Note □> Measurement state of Back to Back.		APPROVED	KY. SHIMIZU	15. 10. 22
			CHECKED	TO. KATAYAMA	15. 10. 22
			DESIGNED	NK. OOSAWA	15. 10. 22
			DRAWN	NK. OOSAWA	15. 10. 22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-366760-00-00
HRS	SPECIFICATION SHEET		PART NO.		HK-R-SR2-1
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL338-0003-0-00
					△ 1/1