

Aug. 1.2023 Copyright 2023 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					
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 30 GHz)		
	Peculiarity	—	Applicable cable —		
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
General examination	Visually and with a measuring instrument.	According to the drawing.	X	X	
Marking	Confirmed visually.		—	—	
ELECTRICAL CHARACTERISTICS					
Contact resistance	10 mA Max. (DC or 1000 Hz).	Center contact 20 mΩ Max.	X	X	
		Outer contact 10 mΩ Max.	X	X	
Insulation resistance	100 V DC.	500 MΩ Min.	X	X	
Withstanding voltage	250 V AC for 1 min. Current leakage 2mA Max.	No flashover or breakdown.	X	X	
Voltage standing wave ratio	Frequency 0 to 15 GHz.	VSWR 1.3 Max.	X	—	
	Frequency 15 to 20 GHz.	VSWR 1.4 Max.	X	—	
	Frequency 20 to 30 GHz.	VSWR 1.5 Max.	X	—	
Insertion loss	Frequency — to — GHz	— dB Max.	—	—	
MECHANICAL CHARACTERISTICS					
Center contact extraction forces	HK side: φ0.91 ^{+0.005} ₀ with a steel gauge.	Extraction force 0.5 to 4.9 N	X	X	
	C.FL side: φ0.15 ±0.002 with a steel gauge	Extraction force 0.2 to 2 N	X	X	
Insertion and withdrawal forces	Measured with an applicable connector.	Insertion force — N Max.	—	—	
		Extraction force — N Min.	—	—	
Mechanical operation	500 times insertions and extractions	1) Contact resistance: Center contact 25 mΩ Max. Outer contact 15 mΩ Max. 2) No damage, cracks or looseness of parts.	X	—	
Vibration	Frequency — to — Hz Single amplitude — mm, — m/s ² at — cycles for — directions.	1) No electrical discontinuity of — μs. 2) No damage, cracks or looseness of parts.	—	—	
Shock	— m/s ² 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.	Subjected to +25 °C to +65 °C, at a humidity of 90 % to 96 % for 10 cycles (240H)	1) Insulation resistance: 10 MΩ Min. (at high humidity) 2) Insulation resistance: 500 MΩ Min. (when dry) 3) No damage, cracks or looseness of parts.	X	—	
Rapid change of temperature	Temperature -40 → 5-35 → +85 → 5-35°C Time 30 → 3 → 30 → 3 min. for 5 cycles.	No damage, cracks or looseness of parts.	X	—	
Corrosion salt mist	Subjected to 5% salt water spray for 48 h.	Voltage standing wave ratio specification shall be met.	X	—	
Δ	Count	Description of revisions	Designed	Checked	DATE
0					
Remark			Approved	KH.IKEDA	18.03.07
RoHS compliant			Checked	MH.TSUCHIDA	18.03.06
			Designed	YJ.HAGA	18.03.06
Unless otherwise specified, refer to IEC 60512.			Drawn	YJ.HAGA	18.03.06
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		Drawing No.	ELC-381043-00-00		
HRS	SPECIFICATION SHEET		Part No.	C.FLP-HKJ	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL311-0024-0-00	Δ 1/1