Applicable standard				
Rating	Operating temperature range	1 -55 °C to +85 °C (95 %RH Max.)	Storage temperature range	1 -55 °C to +50 °C (95 %RH Max.)
	Power	- W	Characteristic impedance	75 Ω (0 to 3 GHz)
	Peculiarity	-	Applicable cable	1.5C-QEV･CW (Fujikura Ltd.)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General examination	Visually and by measuring instrument.	According to drawing.	X	X
Marking	Confirmed visually.		-	-
ELECTRICAL CHARACTERISTICS				
Contact resistance	100 mA Max. (DC or 1000 Hz)	Center contact 6 mΩ Max.	X	X
		Outer contact 6 mΩ Max.	X	X
Insulation resistance	500 V DC.	1000 MΩ Min.	X	X
Withstanding voltage	500 V AC for 60 sec current leakage 2 mA Max.	No breakdown.	X	X
Voltage standing wave ratio	Frequency 0 to 3 GHz.	VSWR 1.3 Max.	X	-
Insertion loss	Frequency - to - GHz.	- dB Max.	-	-
MECHANICAL CHARACTERISTICS				
Contact insertion and extraction forces	φ - by steel gauge.	Insertion force - N Max.	-	-
		Extraction force - N Min.	-	-
Insertion and extraction forces	Measured by applicable connector.	Insertion force - N Max.	-	-
		Extraction force 9.8 N Min.	X	X
Mechanical operation	500 times insertion and extractions.	1)Contact resistance: Center contact 11 mΩ Max. Outer contact 11 mΩ Max. 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 1 μs. 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 strength (Against cable pull)	Using a pulling tester, pull the cable axially at a rate of 30 mm/min and record the strength at which the cable or connector breaks.	49 N Min.	X	-
ENVIRONMENTAL CHARACTERISTICS				
Damp heat	Exposed at +25 to +65 °C, 80 to 96 % total 10 cycles. (240 h)	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 → - → +85 → - °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.	VSWR 1.3 Max.	X	-

	Count	Description of revisions	Designed	Checked	Date
△0					

Remark

Note 1 Temperature range depends on the temperature range of cable.

Unless otherwise specified, refer to IEC 60512.

Approved	NK.NINOMIYA	20240119
Checked	NK.NINOMIYA	20240119
Designed	NK.OOSAWA	20240119
Drawn	NK.OOSAWA	20240119

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

		Drawing No.	ELC-137486-40-00	
HRS	SPECIFICATION SHEET	Part No.	PL71-P-1.5CV-1(40)	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL0334-0069-9-40	△0 1/1

FORM HD0011-2-1