










 Redraw

Applicable standard					
Rating	Operating temperature range	 -55 °C to +85 °C ( 95 %RH Max.)	Storage temperature range	 -55 °C to +50 °C ( 95 %RH Max.)	
	Power	- W	Characteristic impedance	75 Ω ( 0 to 3 GHz) 	
	Peculiarity	-	Applicable cable	1.5C-QEW·CW (Fujikura Ltd.)	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
QT		AT			
CONSTRUCTION					
General examination		Visually and by measuring instrument.		According to drawing.	
Marking		Confirmed visually.		- -	
ELECTRICAL CHARACTERISTICS					
Contact resistance		100 mA Max. (DC or 1000 Hz)		Center contact 6 mΩ Max.	
				Outer contact 6 mΩ Max.	
Insulation resistance		500 V DC.		1000 MΩ Min.	
Withstanding voltage		500 V AC for 60 sec current leakage 2 mA Max.		No breakdown.	
Voltage standing wave ratio 		Frequency 0 to 1 GHz.		VSWR 1.2 Max.	
		Frequency 1 to 3 GHz.		VSWR 1.3 Max.	
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.	
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.	
Vibration		Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s <sup>2</sup> at 10 cycles for 3 directions.		1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	
Shock		490 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 3 directions.			
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.	
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.	
Rapid change of temperature		Temperature -55 → - → +85 → - °C Time 30 → 3 → 30 → 3 min Under 5 cycles.		No damage, crack and looseness of parts.	
Corrosion salt mist 		Exposed in 5 % salt water spray for 48 h.		VSWR 1.2 Max. (Frequency 0 to 1 GHz.) VSWR 1.3 Max. (Frequency 1 to 3 GHz.)	
Count	Description of revisions		Designed	Checked	Date
 4	DIS-D-00017391		NK.OOSAWA	NK.NINOMIYA	20240119
Remark			Approved	KY.SHIMIZU	20141110
Note  Temperature range depends on the temperature range of cable.			Checked	TO.KATAYAMA	20141109
			Designed	YI.FUNADA	20141108
Unless otherwise specified, refer to IEC 60512.			Drawn	YI.FUNADA	20141108
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-029386-40-40	
	SPECIFICATION SHEET		Part No.	PL71-P-1.5CW(40)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0334-0001-5-40	 1/1