





Jan.1.2024 Copyright 2024 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	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C		
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	DF37*-*DS-0.4V (**)		
	CURRENT	0.3A				
SPECIFICATIONS						
ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
CONSTRUCTION						
GENERAL EXAMINATION	CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X		
MARKING	CONFIRMED VISUALLY.		X	X		
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1mA.	100mΩ MAX.	X	-		
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	-		
VOLTAGE PROOF	100V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-		
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. 		X	-		
		PIN COUNT			INSERTION FORCE [N MAX]	WITHDRAWAL FORCE [N MIN]
		10			15.4	2.6
		16			20.7	3.6
		20			24.3	4.4
		24			27.8	5.1
		30			33.1	6.2
		34			40.8	6.9
		40			41.9	8
		44			45.4	8.7
50	50.7	9.8				
60	59.5	11.7				
70	68.4	13.5				
74	71.9	14.2				
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 10CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85 °C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2 ~3 MIN)	① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
SALT MIST	EXPOSED IN 5% SALT MIST FOR 48h.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-		
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	1	DIS-H-00003087	YT. TAKAGI	TS. MIYAZAKI	17.09.28	
REMARKS			APPROVED	MO. NAKAMURA	07.01.29	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	KH. IKEDA	07.01.29	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512			DESIGNED	KY. MIDORIKAWA	07.01.29	
			DRAWN	KY. MIDORIKAWA	07.01.29	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-314974-01	
	SPECIFICATION SHEET		PART NO.	DF37C-*DP-0.4V (51)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684	 1/1	

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Board to Board & Mezzanine Connectors](#) category:

Click to view products by [Hirose](#) manufacturer:

Other Similar products are found below :

[589158040000018](#) [MDF7C-18P-2.54DSA\(55\)](#) [FCN-268F036-G/BD](#) [FCN-268M012-G/0D](#) [FCN-268M024-G/1D](#) [MIS-048-01-F-D-DP-K](#)
[832-10-034-10-001000](#) [FX4C-80S-1.27DSA](#) [93696-330](#) [224393](#) [FCN-235D050-G/C](#) [210-93-314-41-105000](#) [MDF7-40DP-2.54DSA\(55\)](#)
[55323-1519](#) [069159702701000](#) [101A10019X](#) [105061100000861+](#) [75140-7012](#) [87471-650](#) [1744382-4](#) [063209](#) [10124054-515LF](#) [68685-603](#)
[8-1616154-3](#) [541371078](#) [IL-WX-10PB-HF-B-E1000E](#) [FX23-40P-0.5SV15B](#) [FCN-214J100-G/0](#) [354184](#) [P50-028-DDS-TG](#) [53309-2471](#)
[54546-2071](#) [1586617-1](#) [504248-1210](#) [504248-2010](#) [1-1437355-2](#) [9159005551906](#) [NDS100-004-BF](#) [93696-730LF](#) [91922-31141LF](#) [505274-](#)
[3440](#) [501493-2410](#) [504208-3410](#) [505006-0811](#) [505274-2040](#) [202436-1600](#) [202477-0414](#) [71660-7580](#) [73420-5192](#) [360-10-107-00-001000](#)