Applicab	le stanc	lard										
	Operating Temperature Ra			-55 to +105°C (Note1) Stor			rage Temperature Range			-10 °C to +60°C (Note3)		
Rating	Operating Humidity Range Applicable Connector Applicable Contact Voltage		20% to 80% (Note2) DF51%-30DS-2C(##) DF11-EP2428PC(A)/PCF(A) 250 V AC/DC		Storage Humidity Range Current				40% to 70% (Note:			
ß									AWG 24 : 2.0A AWG 26 : 1.5A AWG 28 : 1.0A 30 V AC/DC			
					UL · C-UL		Voltage					
							Current	AWG 24 to 28				
	<u></u>			Spe	cificatio	ons						
	Item			Test method				Re	equirem	ents	QT	AT
Construc											α.	7.1
General Examination		Visually and by measuring instrument.				According to drawing.					Х	
Marking		Confirmed visually.								Х	Х	
Electric (Charact	eristics	3									
Insulation			500 V DC.				1000 M	Ω MIN.			Х	_
Voltage Proof		-	650 V AC for 1 min.						reakdov	/n.	Х	_
Mechanical Characteris									1	1		
Mechanical Operation (Sn Plating)		30 times insertion and extraction. No damage, crack or looseness of parts						seness of parts. 3	Х	-		
Mechanical Operation (Au Plating)		50 times insertion and extraction.								Х	1 -	
Mating and unmating Force (Sn Plating)			It takes out and inserts with a conformity connector.				1.Insertion Force : 128.2N MAX. 2.Extraction Force : 7.7N MIN.				Х	-
Mating and unmating Force			It takes out and inserts with a conformity connector.					tion Force ction Force		5N MAX. N MIN.	Х	-
(Au Plating) Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at				No damage, crack or looseness of parts. 🖄 X					-	
Shock			10 cycles for 3 direction. Acceleration 490 m/s ² duration of pulse 11 ms at 3				-				Х	-
			times for 3 directions.									
Contact extraction force			Pull out the cable after housing fixation.				11.8N MIN				Х	
Environ		Characte										
Damp Heat (Steady State)		Exposed at 40 \pm 2°C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)				1.Insulation resistance: 500 MΩ MIN. 2.No damage, crack or looseness of parts.				Х	_	
Rapid Change Of Temperature		Temperature $-55^{\circ}C \rightarrow +105^{\circ}C$ Time $30min \rightarrow 30min$ Under 5 Cycles.(The transferring time of the tank is 2 to 3 MIN)(After leaving the room temperature for 1 to 2h.)				1.Insulation resistance: 1000 M Ω MIN. $\underline{3}$ 2.No damage, crack or looseness of parts.				Х	_	
Dry Heat				105±2°C, 96h	,		1				Х	-
Cold			Exposed at	-55±3°C, 96h			<u> </u>				Х	
Note 2:No Note 3:App	condensi	ng condition		ent. rage for unused prod prature and humidity				storage du	ring trar	isportation.		
				FREVISIONS		DESIGNED					-	
C	OUNT	D	ESCRIPTION O	F REVISIONS		DESIC	GNED			CHECKED	D	ATE
	OUNT 6	D								CHECKED SZ. 0N0	_	
^		D	ESCRIPTION O DIS-H-000			DESIC TS. MI	IYAKI		ED	SZ. ONO	201	9011
<u> </u>		D					IYAKI	APPROVE			201 201	.9011 .6060
~		D					IYAKI	CHECKE	D	SZ. ONO HS. OKAWA	201 201 201	6060 6060
	6			004577			IYAKI		D D	SZ. ONO HS. OKAWA YN. TAKASHITA	201 201 201 201 201	ATE 9011 6060 6060 6060

PART NO.

CODE NO.

DF51-30DEP-2C

CL543-5084-0-00

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SPECIFICATION SHEET