Applica	able sta	ındard									
Operating Temperature F			erature Range	-55to +105°C (No	-55to +105°C (Note1) Storage Temperature Range			ge -10 °C to +60°C	-10 °C to +60°C (Note3)		
Rating	Operating Humidity Range			20% to 80% (Not	e2)	Storage Humidity		dity Range	40% to 70%	(Note3))
	Applicable Connector			DF51B-4/10EP-2A-4PRT(##)		Currer	Current		AWG 30 : 0.5A/pin AWG 28 : 1A/pin AWG 22-26 : 2A/pin	AWG 28 : 1A/pin	
	Applicable Contact		tact	() ()		UL·C	C-UL Voltage		30V AC/E	30V AC/DC	
						Rating		Current	AWG22 : 2.0A		
				DF11-30SC(F)A(##)					AWG24 to 28:	1.0A	
	Voltage			250 V AC/DC					AWG30 : 0.5A		
				Spec	cificati	ons					
	Item			Test method				Re	equirements	QT	A ⁻
Construc	tion									•	
General Examination		Visually and by measuring instrument. Acco					ing to drawi	ng.	Х	Х	
Marking		Confirmed visually.						Х	Х		
Electric C	Charact	eristics									
Insulation Resistance			500 V DC.			1000 MΩ MIN.			Х	_	
Voltage Proof Mechanical Characteri			650 V AC for 1 min.				No flashover or breakdown.			Х	-
				San and a discontinuo			la 11 ·		li antigan	1	1
Mechanical Operation Mating and Unmating			50 times insertion and extraction.				1.No damage, crack or looseness of parts.			X	+-
Force			It takes out and inserts with a conformity connector.				1.Insertion Force : 21.7N MAX. 2.Extraction Force : 1.0N MIN.			^	
Mating Retention Force			Pull out the cable after mated.				30N MIN			Х	_
Vibration			Frequency 10 to 55 Hz, single amplitude 0.75 mm, at				1.No electrical discontinuity of 1 μ s.			Х	-
			10 cycles for 3 direction.				2.No damage, crack or looseness of parts.				
Shock			Acceleration 490 m/s ² duration of pulse 11 ms at 3							Х	-
			times for 3 directions.								
Contact extraction force		orce	Pull out the cable after housing fixation.			11.8N MIN			Х	-	
Environm		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.)				 Insulation resistance: 500 MΩ MIN. No damage, crack or looseness of parts. 			Х	
Rapid Change Of Temperature			Temperature -55°C→ +105°C Time 30min→ 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 MΩ MIN.2.No damage, crack or looseness of parts.			X		
Dry Heat			Exposed at 105±2°C, 96h						Х	+-	
Cold			Exposed at -55±3°C, 96h							X	Τ-
Note 2: No	condens	ing	ure rising by cur								
	COUNT [DESCRIPTION OF REVISIONS			DESIG	DESIGNED		CHECKED	DA	ATE
\wedge	TNUC										
cc	TNUC							4 DDDQ\ (=	OT OWNEDA	2024	1000
\wedge	DUNT							APPROVE		2024	
\wedge	DUNT							CHECKE	TT. OHSAKO	2024	1092
<u> </u>									TT. OHSAKO		1092
<u> </u>		ecified, r	efer to IEC 6051	2.				CHECKE	TT. OHSAKO	2024	4092 4092
Unless other	erwise sp	-		2. Test X:Applicable Tes	st st	DRA	WING	CHECKED DESIGNED DRAWN	TT. OHSAKO SN. MIWA	2024 2024 2024	4092 4092 4092
Jnless other	erwise sp Qualificat	tion Test	AT:Assurance			DRA VRT N		CHECKED DESIGNED DRAWN	TT. OHSAKO SN. MIWA SK. CHIBA	2024 2024 2024	1092 1092 1092