Applic	cable	stand	dard									
	C)perati	ng Tempe	erature Range	-55 to +85°C (Note	e1) Sto	orage Tempe	rature Range	e -1	0 °C to +60°C	(Note	3)
Ratir	ng C	perati	ng Humid	ity Range	20% to 80% (Note	e2) Sto	orage Humidi	e Humidity Range		40% to 70% (DF53-3P-0.6C		3)
	٧	oltage/			50 V AC/DC	Ap	plicable Co					
								32 : 0.7A				
	Current			· ·				32 : 1.3A(power), 0.5A(signal)				
	•					fication			` -			
	I	tem			Test method	11001.5.		Ren	uirements		QT	AT
Const					I est method			1164	UIIEIIIEIII		ŲΙ	Аі
				\(\text{C} = \cdot = \text{U} \cdot \)				to a to does to			X	X
Genera		ninatio	n		measuring instrument.		Accord	ing to drawin	ıg.		X	X
Markin		oroot	eristics	Confirmed visu	ally.						^	^
Contac				20mV MAX, 1n	nA (DC or 1000Hz).		20 mΩ	MAX.			X	<u> </u>
Insulation Resistance			ce	100 V DC.				100 MΩ MIN.				_
Voltage	e Proo	f		200 V AC for 1 min.				No flashover or breakdown.				_
			aracteris								1	1
Mechanical Operation				20 times insertion and extraction. 1.Contact resistance: 40 mΩ MAX. 2.No damage, crack or looseness of parts.							X	_
Mating force	Mating and unmating force			It takes out and inserts with a conformity connector.				1.Mating Force : 13.2N MAX. 2.Unmating Force : 1.4N MIN.				_
Vibration				Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.				1.No electrical discontinuity of 1 μ s.2.No damage, crack or looseness of parts.			Х	
Shock				-	00 m/s ² duration of pulse	11 ms at 3		•		·	Х	_
				times for 3 dire	ctions.							
Envir	onme	ental (Characte	eristics								
	Damp Heat (Steady State)			Exposed at 40 ± 2°C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)				1.Contact resistance: 40 mΩ MAX.2.Insulation resistance: 100 MΩ MIN.3.No damage, crack or looseness of parts.				_
Rapid Change Of		Temperature -55°C→ +85°C				act resistanc			Х	_		
Temperature				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.)				2.Insulation resistance: 100 MΩ MIN.3.No damage, crack or looseness of parts.				
Dry He	Dry Heat			Exposed at 85±2°C, 96h				1.Contact resistance: 40 mΩ MAX. 2.Insulation resistance: 100 MΩ MIN. 3.No damage, crack or looseness of parts.				_
Cold				Exposed at	-55±3°C, 96h		1.Conta	act resistanc	e: 40 mΩ	2 MAX.	Х	_
						2.Insulation resistance: 100 MΩ MIN. 3.No damage, crack or looseness of parts.						
Note 2	: Includ	ondens	sing	ure rising by curi								
	COL	INT	D	ESCRIPTION C	F REVISIONS	Г	ESIGNED		СН	ECKED	С	ATE
\wedge	0											
Z * \	- 0							APPROVE		T OKAMIDA	209	230829
										J. OKAMURA	-	
								CHECKED		SZ. ONO	-	230829
Unless otherwise specified, r				efer to IEC 60512.				DESIGNED) (JN. TONAI	2023	
			pecified, re					DRAWN	JN. TONAI		202	230829
•			tion Test	AT-Assurance				RAWING NO.		ELC-376031-0		00
				CIFICATION		RT NO.			DF53-3S-0. 6H			
H	J	HIROS		SE ELECTRIC CO., LTD.			F NO.	CL0668-1002-0-00			\wedge	1/2

		Specifica	uuons	5				
lte		Test method				uirements	QT	А
Resistance to neat	soldering	Reflow area Number of cycles: 2 cycles MAX 250°C MAX		No defo		e of excessive looseness of	Х	_
Solderability		Soldered at solder temperature, 245°C for insertion duration, 5sec.			shall cover a m the surface be		Х	_
Note QT:Qu	alification Tee	t AT:Assurance Test X:Applicable Test	ח	3 Φ/γ/Ινί	IG NO	ELC-376031-0)_()()
HS	ODEOLEIO ATION OLIFET			DRAWING NO. PART NO.		DF53-3S-0. 6H		
			 					2/