Applicabl	e standard										
	Operating temperature range					-10 °C to +60°C			te3)		
Rating	Operating Humidity range		20% to 80% (I	Note2)	Storage Humidity range		40% to 70% (Note3)				
	Applicable connector		DF63SF-*S-3.9	60	Voltage		AC/DC 630V				
	Applicable cable		AWG#16 to 18		Current		AWG#16	15A(2PIN,P=7.92mm)			
					_	AWO#10		12A(3PIN,P=3.96mm)			
Diameter		Φ2.1 to 2.7 mm		n			AWG#18	13A(2PIN,P=7.92mm)			
		Specification			iana	10A(3PIN,P=3.96mm)					
				cincat	ions		<u> </u>		OT		
Construct	tem ion		Test method				Requireme	ents	QT	AT	
General examination		Visually and by measuring instrument.				According to drawing. X				Х	
Marking		Confirmed visually.								Х	
Electric c	haracterist	ics									
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).			10 m	10 mΩ MAX.				-	
Mechanio	cal charact	eristics									
Contact inse	ertion	$\Box$ 0.8±0.002 mm by steel gauge.				Insertion force 4.5 N MAX.					
And extraction Forces					Extra	Extraction force 0.3 N MIN.				-	
Mechanical operation		50 times insertion and extraction.			ä	<b>(</b> )Contact resistance: $20 \text{ m}\Omega$ MAX.				-	
Vibration		Frequency 10 to 55 Hz, single amplitude				(2)No damage, crack or looseness of parts.				_	
Ohaali		0.75 mm, at 10 cycles for 3 direction.			1 11						
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both axial directions.			both				X	-	
	ental charac								X		
Damp heat (steady state)		Exposed at 40 $\pm$ 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for				<ul> <li>①Contact resistance: 20 m Ω MAX.</li> <li>②No damage, crack or looseness of parts.</li> </ul>				-	
· · ·		1 to 2h.)									
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.)									
	the temperature	rising by cu	rrent.								
Note2: No cor Note3: Apply t	-	f long term s	torage for unused products before	ore harness	assembly.						
		-	emperature and humidity range		-	age during t	ransportation.				
	Description of revisions Des			<u> </u>	gned Checked Date						
Coun	t	Descript	on of revisions		Designed		Checked		Da	ate	
Remarks	I			I		Appro	oved	HS. OKAWA	2019	1112	
						Checked		SZ. 0N0 2019			
Unless otherwise specified, refer			to IEC 60512.			Designed Drawn		TO. KUROMATSU	KUROMATSU         20191112           SK. CHIBA         20191112		
Note QT:Qualification test AT:Assurance test X:applicable test				est	Drawing No.			ELC-367036-0			
					Part No.		DF63SF-1618SCFA				
					Code No.				Â.	1/1	
FORM HD0011											

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