Applicable	e standard			T.a.						
Operating Temperature		range	-40 °C to +105°C (Note		orage mperature	e range	-	10 °C to +60°C	(Note2)	
Rating	Operating		20% to 80%	Sto Hu	Storage Humidity range		4	0% to 70%	(Note2)	
			DF63WA-2EP-3.96C		oltage			AC/DC 630V		
					urrent			AWG#16 : 14 A		
			φ 2. 8 ~ φ 3. 2mm		AWG#18 : 11 A					
			Specif	ication	ns		•			
It	em		Test method				Requirem	ents	QT	AT
Construction										
General examination		Visually and by measuring instrument.			Accordi	According to drawing.				Х
Marking		Confirmed visually.							X	Х
Electric c	haracterist	tics								
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).			10 mΩ	10 mΩ MAX.				_
Insulation resistance		500 V DC.			1000 M	1000 MΩ MIN.				-
Voltage proof		1500 V AC for 1 min.			No flasi	No flashover or breakdown.				_
	cal charact								X	
Mechanical operation		30 times insertion and extraction.			_	①Contact resistance: 20 mΩ MAX. ②No damage, crack or looseness of parts.				-
Vibration		Frequency 10 to 55 Hz, single amplitude			①No el	①No electrical discontinuity of 1 μ s.				-
Shock		 0.75 mm, at 10 cycles for 3 direction. 490 m/s² duration of pulse 11 ms at 3 times each for 			①No el	 ②No damage, crack or looseness of parts. ①No electrical discontinuity of 1 μ s. 				-
F	(- 1 - 1		tial directions.		②No da	amage, cı	ack or loc	seness of parts.		
Damp heat	ental charac		at 40 ± 2°C , 90 to 95 %, 96 h.		①Cont:	act regists	ance: 20 n	οΟ ΜΔΧ	X	т_
(Steady state)		(After leaving the room temperature for 1~2h.)			_	①Contact resistance: 20 m Ω MAX. ②Insulation resistance: 500 M Ω Min.				
Dan'd shares of						③No damage, crack or looseness of parts.				
Rapid change of temperature		Temperature -55°C→ +105°C Time 30min→ 30min			-	① Contact resistance: $20 \text{ m}\Omega$ MAX. ② Insulation resistance: $1000 \text{ M}\Omega$ Min.				_
		Under 5			③No da	amage, cı	ack or lo	seness of parts.		
			sferring time of the tank is 2~3 raying the room temperature for 1							
Sealing		Exposed at a depth of 1m for 0.5h.			No wate	No water penetration inside connector.				-
	e the temperatur		surrent. storage for unused products before be	eing process	sed of mour	nted on pro	ducts. Afte	r before being proces	ssed or m	ounted
		-	re and humidity range is applied for in					3 7 2 3		
Coun	t	Description of revisions Des		signed	gned Checked				ate	
<u>∕0∖</u> Remarks					1		. 1	III/ III/eiiie		10. 15
Tomains						Approve		HK. UMEHARA HK. UMEHARA	_)3. 10)3. 10
Unless otherwise specified, refer			efer to IEC 60512			Designe				3. 10
			10 IEC 000 IZ.			Drawn		TO. HORII	15. 03. 10	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					Drawing	Drawing No.		ELC-359255-00-00		
HS.		Specification sheet			rt No.	DF63W-2S-3.96C				
HIRC		OSE ELECTRIC CO., LTD.			de No.	CL	CL680-0613-7-00			1/1