Applicabl	e standard										
Operating		$\frac{3}{3}$	-40 °C TO +105°C (NOTE1) 20% TO 80% (NOTE2)		Storage				Storage Temperature range		
Rating	temperature range 23 Operating humidity range				Temperature rar Storage humidity range		ige		Storage		
Rating								humidity range			
					Current	1			Current		
	Appliaghte connector		DF59-3P-2FC(**) DF59-3P-2C			Vo	oltage		AC/DC 230V		
	Applicable c	onnector	DF59-3P-2SP(**)		Voltage	U	L/C-UL		AC/DC 29.9	/	
					0		Üν		TBD		
			Spe	cifica	ations	S					
ľ	tem		Item						Item	QT	AT
Construct	ion										
General exa	General examination		, , , ,				According to drawing.				Х
Marking		Confirmed visually.								Х	Х
Electric o	characterist	tics									
Contact resistance						50mΩ MAX.(DF59-3P-2FC(**)/2SP(**))				Х	-
Insulation resistance		500V DC.				30mΩ MAX.(DF59-3P-2C) 1000MΩ MIN.				Х	-
Voltage proof		650V AC FOR 1 min.				No flashover or breakdown.				X	-
	cal charact	eristics									
Mechanical operation		30 times insertion and extraction.(DF59-3P-2FC/2C) 10 times insertion and extraction.(DF59-3P-2SP) Frequency 10 to 55Hz, single amplitude				①50mΩ MAX.(DF59-3P-2FC(**)/2SP(**))				Х	-
						-	30mΩ MAX.(DF59-3P-2C)				
							2)No damage, crack or looseness of parts.				_
		0.75mm, at 10cycles for 3direction.				①No electrical discontinuity of 1 $\mu$ s. ②No damage, crack or looseness of parts.				X	_
Shock		490 m/s <sup>2</sup> c	490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.							Х	-
Environm	ental charac	teristics				I				I	
			d at 40 ± 2°C , 90 to 95 %, 96 h.			①50m	Ω MAX.(D	F59-3F	-2FC(**)/2SP(**))	Х	-
(Steady state)		(After leaving the room temperature for 1 - 2h.)				-	Ω MAX.(DI		,		
Rapid change of temperature		Temperature $-55^{\circ}C \rightarrow +85^{\circ}C$ Time $30min \rightarrow 30min$				õ			STANCE: 1000MΩ MIN. OR LOOSENESS OF PARTS.	Х	-
		Under 5 cycles.									
			(The transferring time of the tank is 2 - 3 min) (After leaving the room temperature for 1 - 2h.)								
· · · · · · · · · · · · · · · · · · ·			Reflow soldering			No deformation of case of excessive looseness				X	+_
	0	Number of reflow cycles : 2cycles max.				of the terminals.					
		≪Reflow area≫ Duration above 220°C, 60sec. Max. Peak temperature: 250°C, 10sec. Max. ≪Pre-heat area≫ Pre-heat temperature:150°C to 180°C									
			Pre-heat time:90sec.to 120sec. Manual soldering Soldering iron temperature :350±10°C,								
		,									
			ig time : 3sec.								
Solderability			strength on contact. ering temperature : 245°c			New uniform coating of solder shall cover minimum X -					
· · · · · · · · · · · · · · · · · · ·		Duration of immersion :soldering, for 5sec.			of 95% of the surface being immersed.						
Note 1: Include Note 2: No con	the temperature r	ising by curre	ent.								
	•	ong term sto	rage for unused products before m	ounted on	PCB.						
			and humidity range is applied for i	interim sto			ortation.			1	
Coun	nt		ion of revisions			gned			Checked		ate
3 2 Remarks		DIS-	DIS-H-00002838		TS. KUM	AZAWA	0		TS. FUKUSHIMA		05.30
Remarks							Appro		KI. AKIYAMA OM. MIYAMOTO		9.29
							Checl Desig		KT. ISHII		)9. 29 )9. 29
Unless otherwise specified, refer			to IEC60512.						KT. ISHII		)9. 29
	-					Drawn Drawing no.			ELC-330589-51-01		
HS		Specification sheet			Part no.			DF59-3S-2V (51)			•
	· · ·		electric co., ltd.		Code		0			3	1/1
		111026			Code no.		U	CL667-0002-3-51			1/1

FORM HD0011-2-1