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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Applicable standard					
Rating	Operating Temperature range	-40 °C to +105°C (Note1)	Storage Temperature range	-10 °C to +60°C (Note3)	
	Operating Humidity range	20% to 80% (Note2)	Storage Humidity range	40% to 70% (Note3)	
	Applicable connector 	DF62W(Z)-*S-2.2C(##)	Voltage	AC/DC 250V	
	Applicable cable	AWG 20 to 22	Current	AWG 20 : 5A/pin	
	Insulation diameter	φ1.4 to φ1.6mm		AWG 22 : 4A/pin	
Specifications					
Item	Test method	Requirements	QT	AT	
Construction					
General examination	Visually and by measuring instrument.	According to drawing.	X	X	
Marking	Confirmed visually.		X	X	
Electric characteristics					
Contact resistance	20mV MAX, 1mA (DC or 1000Hz).	30 mΩ MAX.	X	-	
Mechanical characteristics					
Contact insertion and Extraction forces	T=0.44±0.002mm by steel gauge.	Insertion force 2.8N MAX Extraction force 0.15N MIN.	X	-	
Mechanical operation	50 times insertion and extraction.	1)Contact resistance: 30 mΩ MAX. 2)No damage, crack or looseness of parts.	X	-	
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.	1)No electrical discontinuity of 1 μs. 2)No damage, crack or looseness of parts.	X	-	
Shock	490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.		X	-	
Environmental characteristics					
Damp heat (Steady state)	Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1-2h.)	1)Contact resistance: 30 mΩ MAX. 2)No damage, crack or looseness of parts.	X	-	
Rapid change of temperature	Temperature -55°C→ +85°C Time 30min→ 30min Under 5 cycles. (The transferring time of the tank is 2-3 min) (After leaving the room temperature for 1-2h.)		X	-	
Note 1: Include the temperature rising by current. Note 2: No condensing. Note 3: Apply to the packaged and unused product.					
	Count	Description of revisions	Designed	Checked	Date
	1	DIS-H-00022369	YT. NIITSUMA	HT. SATO	20250131
Remarks			Approved	KI. AKIYAMA	20160217
			Checked	TS. FUKUSHIMA	20160216
			Designed	YK. YAMAGUCHI	20160216
Unless otherwise specified, refer to IEC 60512.			Drawn	YK. YAMAGUCHI	20160216
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-364717-00-00	
	Specification sheet		Part No.	DF62W-2022SCFA	
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