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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	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)	
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)	
	VOLTAGE	500 V AC/DC	APPLICABLE CONNECTOR	DF5A-3P-5DSA	
	CURRENT	AWG18 : 8.0 A	INSULATION DIAMETER	DF5-1822SCF(UL1007) AWG18 TO 22: φ1.5~2.2 mm	
		AWG20 : 6.0 A		DF5A-1822SCF(UL1015) AWG18 TO 22: φ2.2~2.9 mm	
	AWG22 : 5.0 A	APPLICABLE CONTACT	DF5(A)-1822SCF		
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					
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	—	
VOLTAGE PROOF	1500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 2hr FOR 3 DIRECTION.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 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 INSULATION RESISTANCE: 500MΩ MIN ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5~35→ 85 →5~35 °C TIME 30 →5 → 30 → 5 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 1000MΩ MIN ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—	
REMARKS					
NOTE 1: INCLUDE THE TEMPERATURE RISE BY CURRENT. NOTE 2: NO CONDENSING NOTE 3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD. AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
			APPROVED	KI. AKIYAMA	12. 07. 04
			CHECKED	HK. UMEHARA	12. 07. 04
			DESIGNED	TS. KUMAZAWA	12. 07. 03
			DRAWN	KY. SHIMAKURA	12. 07. 03
UNLESS OTHERWISE SPECIFIED , REFER TO JIS C 5402.					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELG4-160135-00	
	SPECIFICATION SHEET		PART NO.	DF5A-3S-5C	
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