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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 +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	DF59S-1S-V	CURRENT	3A	
			VOLTAGE	SPECIFICATION	AC/DC 350V (NOTE4)
UL/C-UL				TBD	
TÜV	TBD				
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	DC6V MAX, 100mA.	50mΩ MAX.	X	-	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	10TIMES INSERTION AND EXTRACTION.	①50mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
VIBRATION	FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75mm, AT 10CYCLES FOR 3DIRECTION.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
SHOCK	490 m/s <sup>2</sup> 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.)	①50mΩ MAX. ②NO 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. NOTE2:NO CONDENSING NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION. NOTE4:APPLY TO THE CONDITION OF PARALLEL ARRANGEMENT THE SIZE BETWEEN PATTERN:3.0mm MIN FOR THE VOLTAGE.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARKS			APPROVED	KI. AKIYAMA	12. 11. 14
			CHECKED	OM. MIYAMOTO	12. 11. 14
			DESIGNED	KT. ISHII	12. 11. 13
			DRAWN	KT. ISHII	12. 11. 13
Unless otherwise specified, refer to JIS C 5402 and IEC60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELG4-342886-03
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DF59S-1P-FC (24)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL667-0023-3-24	1/1