

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
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  Unless otherwise specified, refer to JIS C 5402 and IEC60512.	APPROVED	KI. AKIYAMA	12. 11. 14
	CHECKED	OM. MIYAMOTO	12. 11. 14
	DESIGNED	KT. ISHII	12. 11. 13
	DRAWN	KT. ISHII	12. 11. 13

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