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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	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)	
	VOLTAGE	50 V AC/DC	VOLTAGE	29 V AC/DC	
	CURRENT	AWG#26 : 3.0A AWG#28 : 2.5A AWG#30 : 1.5A AWG#32 : 1.0A AWG#34 : 0.8A	UL·C-UL RATING  ▲	CURRENT	AWG#26 : 3.0A AWG#28 : 2.5A
	APPLICABLE CONNECTOR	DF57H-2P-1.2V(##)		OPERATING TEMPERATURE RANGE	-35 °C TO +75°C (NOTE1)
APPLICABLE CONTACT	DF57-****SCF(A)(##)				

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

#### ELECTRIC CHARACTERISTICS

INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	—
VOLTAGE PROOF	500 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, AT 10 CYCLES FOR 3 DIRECTION.	NO 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.)	① INSULATION RESISTANCE: 100 MΩ MIN. 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.)	① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—

#### REMARKS

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-00013960	HK. HAYASHI	SZ. ONO	20220616

Unless otherwise specified, refer to IEC 60512.	APPROVED	KI. AKIYAMA	20150527
	CHECKED	TS. FUKUSHIMA	20150526
	DESIGNED	TS. KUMAZAWA	20150526
	DRAWN	TS. KUMAZAWA	20150526

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC-362936-00-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF57AH-2S-1.2C
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0666-0112-0-00 ▲ 1/1