

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55°C TO + 105°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 3)
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE 2)		STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 3)
	VOLTAGE	1000V AC/DC		APPLICABLE CONNECTOR	DF60 (F) -*EP-10. 16C (##) DF60 (F) R -*EP-10. 16C
	CURRENT (*1)	AWG10	40A/pin	APPLICABLE CABLE	AWG 10 TO 12
	AWG12	31A/pin			

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

CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	DC6V MAX, 1A	2mΩ MAX.	X	-
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MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 2mΩ MAX. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 500 Hz, TOTAL AMPLITUDE 1.5 mm, Acceleration of 98 m/s ² , AT 2 h, FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS..	X	-
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS..	X	-
CRIMP TENSILE STRENGTH	APPLY WIRE TENSILE STRENGTH TO CAULKING AREA AXIALLY UNTIL LOOSEN OR BROKEN.	270N MIN	X	-

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	1) CONTACT RESISTANCE: 2mΩ MAX. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 25 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2-3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)	1) CONTACT RESISTANCE: 2mΩ MAX. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DRY HEAT	EXPOSED AT 105 ± 2°C, 250h (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)	1) CONTACT RESISTANCE: 2mΩ MAX. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

Remarks
 Note1: Include the temperature rising by current.
 Note2: No condensing.
 Note3: Apply to the unused and packaged product.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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Unless otherwise specifid , refer to IEC 60512.			APPROVED	SJ. OKAMURA 20250728
			CHECKED	SZ. ONO 20250728
			DESIGNED	TS. KUMAZAWA 20250728
			DRAWN	SS. YAMASAKI 20250728

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-408381-00-00

HRS	SPECIFICATION SHEET	PART NO.	DF60AA-1012PCFA		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0680-0099-0-00	△	1/1