APPLICABLE STANDARD		TÜV, and UL certifcation planned		
Rating	Operating Temperature Range	-25°C to +105°C(2)	Storage Temperature Range	-10°C to +60°C
	Voltage	AC 1000V , DC 1500V	———	———
	Current	400A	Applicable Cable	200mm² (400MCM)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Examined visually and with a measuring instrument.	According to the drawing.	X	X
Marking	Confirmed visually.	According to the drawing.	X	X
ELECTRICAL CHARACTERISTICS				
Contact Resistance	Measured at DC 1A.	0.1mΩ MAX.	X	—
Insulation Resistance	Measured at DC 500V.	1000MΩ MIN.	X	—
Voltage Proof	AC 5000V applied for 1min.(JIS C 8201)	No flashover or breakdown.	X	—
Short-Time Withstand Current Test	Measured at 24000A applied for 1s.(JIS C 8201)	Contact Resistance: 0.15 mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS				
Crimp Contact Insertion and Extraction Forces	Measured with an applicable connector.	Insertion Force: 280N MAX. Extraction Force: 250N MAX.	X	—
Mechanical Operation	Contact Inserted and Extracted 50 times.	1) No function impairing damage, cracks, or looseness of parts. 2) Contact Resistance: 0.15mΩ MAX. 3) Insertion Force: 280N MAX. 4) Extraction Force: 250N MAX.	X	—
Vibration	Frequency: 10 Hz to 55 Hz Single amplitude: 0.75 mm Performed two hours in each of three mutually perpendicular directions. (MIL-STD-1344 Method 2005, Condition 2)	1) No electrical disconuity of 10μs. 2) No damage, cracks, or looseness of parts.	X	—
Shock	Acceleration: 500 m/s² Half sine wave pulses of 11 ms. Performed five times both ways in each of three mutually perpendicular directions.	1) No electrical disconuity of 10μs. 2) No damage, cracks, or looseness of parts.	X	—
Contact Retention Force	A 578N pulling force was applied to the connection side. (NECA C 2811) △2	No damage.	X	—
ENVIRONMENTAL CHARACTERISTICS				
Damp Heat (Steady State)	Subjected to 40±2°C, at a humidity 90% to 95%, for 96 hours. Returned to room temperature and normal humidity, and removed of any water. (NECA C 2811)	1) Insulation Resistance: 20MΩ MIN. 2) Voltage Proof: AC 5000V applied for 1min. No flashover or breakdown. 3) No damage, cracks, or looseness of parts.	X	—
Heat and Cold Resistance	Subjected to -25±3°C for 2 hours. Returned to room temperature for 1 hour. Subjected to 70±3°C for 2 hours. (NECA C 2811)	1) Insulation Resistance: 20MΩ MIN. 2) Voltage Proof: AC 5000V applied for 1min. No flashover or breakdown. 3) No damage, cracks, or looseness of parts.	X	—
Ageing Test	Subjected to the following cycle 192 times with 370A applied. Subjected to 40±3°C for 10 minutes, cooled to 30°C and left for 10 minutes. (JIS C 8201)	1) Contact Resistance: 0.15mΩ MAX. 2) No damage, cracks, or looseness of parts.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△2	1	DIS-C-00010297	DS. MATSUNE	KI. NAGANUMA	20220224

Notes

(1) Above specifications show the values in assembled condition with applicable crimp contacts.

(2) Including temperature rise caused by current carrying.

Unless otherwise specified, refer to IEC 60512 (JIS C 5402).

APPROVED	TP. KOMATSU	20200304
CHECKED	TP. KOMATSU	20200227
DESIGNED	EK. KIDO	20200226
DRAWN	EK. KIDO	20200226

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-385257-00-00

HRS	SPECIFICATION SHEET	PART NO.	EF2A-D400B-1	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0142-0225-0-00	△2 1/1

FORM HD0011-2-1