APPLICABLE STANDARD				
Rating	Operating Temperature Range	-40 °C to +105 °C Include Temperature Rise Caused by Current-carrying	Storage Temperature Range	1 -40 °C to +60 °C
	Voltage	2 600 V AC DC	Current	300 A
	Busbar Thickness	5.88 to 6.45		

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	DC 1 A.	0.5 mΩ max.	X	X
MECHANICAL CHARACTERISTICS				
Insertion and Extraction Force	Measured by applicable busbar.	Insertion force : 50 N max. Extraction force : 3 N min.	X	–
Mechanical Operation	50 times Insertions and extractions.	1)Contact resistance: 0.7 mΩ max. 2)No damage, crack and looseness of parts.	X	–
Vibration	Frequency 10 to 55 hz, single amplitude 0.75 mm, 3 axial directions, 10 cycles each.	1) No electrical discontinuity of 10 μs. 2) No damage, crack and looseness of parts.	X	–
Shock	490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.		X	–
ENVIRONMENTAL CHARACTERISTICS				
Humidity	Exposed at +40 °C, 90 to 95 % , 96 h	1)Contact resistance: 0.7 mΩ max. 2)No damage, crack and looseness of parts.	X	–
Rapid Change of Temperature	Temperature -40 → 105 °C Time 30 → 30 min under 5 cycles. chamber transfer time is 2 to 3 min.	1)Contact resistance: 0.7 mΩ max. 2)No damage, crack and looseness of part	X	–
Dry Heat	Exposed at 105±2 °C for 96 h.	1)Contact resistance: 0.7 mΩ max. 2)No damage, crack and looseness of part	X	–
Cold	Exposed at -40±2 °C for 96 h.	1)Contact resistance: 0.7 mΩ max. 2)No damage, crack and looseness of part	X	–
Corrosion Salt Mist	Exposed in 5% salt water spray for 48 h.	Contact resistance: 0.7 mΩ max.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
A0					

REMARK
1 Storage temperature range shows storage condition for unused products including packing materials.
Follow the operating temperature range for storage condition after mounting.
2 It will be the condition that the copper bar between mounting the connector is separated by more than 2mm.
Unless otherwise specified, refer to IEC 60512.

APPROVED	NM. NISHIMATSU	16.11.15
CHECKED	NM. NISHIMATSU	16.11.15
DESIGNED	MO. SHIMOYAMA	16.11.14
DRAWN	MO. SHIMOYAMA	16.11.14

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

DRAWING NO. ELC-128870-01-00

HRS	SPECIFICATION SHEET	PART NO.	PS4A-6.35T(01)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL236-1018-0-01	A0 1/1

FORM HD0011-2-1