APPLICABLE STANDARD				
Rating	Operating Temperature Range	− ℃ TO − ℃	Storage Temperature Range	− ℃ TO − ℃
	Voltage	AC 300 V, DC 420 V	Operating Humidity Range	− % TO − %
	Current	3 A	Applicable Wire	−

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
ELECTRICAL CHARACTEREISTICS				
Contact Resistance	Measured at 1 A (DC or 1000 Hz).	10 mΩ max.	X	X
Contact Resistance Millivolt level method	20mV max. 1 mA (DC or 1000 Hz).		X	—
Insulation Resistance	500 V DC	1000 MΩ min.	X	X
Voltage Proof	1000 V AC. for 1 min.	No flashover or breakdown.	X	X
MECHANICAL CHARACTERISTICS				
Mating and Unmating Forces	Measured with an applicable connector.	Mating force : 161 N max. Unmating force : 161 N max.	X	—
Mechanical Operation	Mated and unmated 1000 times.	1) Contact resistance : 15 mΩ max. 2) No damage, crack and looseness of parts.	X	—
Vibration	Frequency : 10 to 55 Hz, singe amplitude 0.75 mm, at 2 h each in 3 axial directions.	1) No electrical discontinuity of 10 μs min.. 2) No damage, crack and looseness of parts.	X	—
Shock	490 m/s^2 duration of pulse 11 ms for 3 times in 6 directions.		X	—
ENVIRONMENTAL CHARACTERISTICS				
Rapid Change of Temperature	Temperature –65 → 5 to 35 → 125 → 5 to 35 ℃ Time 30 → 2 to 3 → 30 → 2 to 3 min. Under 5 cycles.	No damage, crack and looseness of parts.	X	—
Humidity Life	Exposed at 25 to 65 ℃, 90 to 98 %, 240 h.	1) Insulation resistance : 1000 MΩ min. (at dry.) 10 MΩ min. (at high humidity.) 2) No damage, crack and looseness of parts.	X	—
Corrosion Salt Mist	Exposed in 5 % salt water spray for 48 h.	No heavy corrosion that lose function.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

REMARK

Unless otherwise specified, refer to IEC 60512.

APPROVED	KI. NAGANUMA	18. 05. 30
CHECKED	KI. NAGANUMA	18. 05. 30
DESIGNED	YS. SAKODA	18. 05. 30
DRAWN	YS. SAKODA	18. 05. 30

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

HRS	SPECIFICATION SHEET	DRAWING NO.	ELC-008280-59-02	
		PART NO.	PR-1660BG-STAR(59)	
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL216-0506-1-59	△0 1/1

FORM HD0011-2-1