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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	- °C to - °C	Storage Temperature Range	- °C to - °C	
	Voltage	300 V AC , 420 V DC	Operating Humidity Range	- % to - %	
	Current	3 A	Applicable Cable	-	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
General Examination	Visually and by measuring instrument.		According to drawing.	×	×
Marking	Confirmed visually.			×	×
ELECTRIC CHARACTERISTICS					
Contact Resistance	Measured at 1 A (DC or 1000 Hz).		10 mΩ MAX.	×	×
Contact Resistance Millivolt Level Method	20 mV MAX. 1 mA (DC or 1000Hz).			×	-
Insulation Resistance	500 V DC.		1000 MΩ MIN.	×	×
Voltage Proof	1000 V AC. for 1 min.		No flashover or breakdown.	×	×
MECHANICAL CHARACTERISTICS					
Mating and Unmating Forces	Measured with an applicable connector.		Mating force : 161 N MAX. Unmating force : 161 N MAX.	×	-
Mechanical Operation	Mated and unmated 1000 times.		1) Contact resistance : 15 mΩ MAX. 2) No damage, crack and looseness of parts.	×	-
Vibration	Frequency : 10 to 55 Hz, single amplitude 0.75 mm, at 2 h each in 3 axial directions.		1) No electrical discontinuity of 10 μ s. 2) No damage, crack and looseness of parts.	×	-
Shock	490 m/s ² duration of pulse 11 ms for 3 times in 6 directions.			×	-
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature	Temperature -65 → 5 to 35 → 125 → 5 to 35 °C Time 30 → 2 to 3 → 30 → 2 to 3 min. Under 5 cycles.		No damage, crack and looseness of parts.	×	-
Damp Heat (Steady state)	Exposed at 25 to 65 °C , 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.	×	-
Corrosion Salt Mist	Exposed in 5 % salt water spray for 48 h.		No heavy corrosion that lose function.	×	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
①					
REMARK			APPROVED	KI. NAGANUMA	18.05.31
			CHECKED	KI. NAGANUMA	18.05.31
			DESIGNED	WR. YAMADA	18.05.31
Unless otherwise specified, refer to IEC 60512.			DRAWN	WR. YAMADA	18.05.31
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-008167-59-00
HRS	SPECIFICATION SHEET		PART NO.	PR-1660BG-STA (59)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL216-0472-1-59	△ 1/1