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APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C to 105°C (Note1)	STORAGE TEMPERATURE RANGE	-40°C to 105°C	
	VOLTAGE	50 V DC	CURRENT	1 A	
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	1A DC.	50mΩ max.	-	-	
Contact Resistance Millivolt Level Method	20 mV AC max, 0.1 mA (DC or 1000Hz).	50mΩ max.	-	-	
Insulation Resistance	500 V DC.	100MΩ min.	-	-	
Voltage Proof	500 V AC for 1 min.	No flashover or breakdown.	x	x	
Continuity	100 mA DC	Continuity	-	x	
MECHANICAL CHARACTERISTICS					
Mechanical Operation	30 times insertions and extractions.	① Contact resistance 100mΩ max ② No damage, crack and looseness of parts.	-	-	
Vibration	Frequency 20 to 200 Hz, 43.1 m/s ² at 3 h for 3 directions.	① No electrical discontinuity of 10μs. ② Contact resistance: 100mΩ max. ③ No damage, crack and looseness of parts.	-	-	
Shock	Frequency 20 to 50 Hz, 66.6 m/s ² at 1 h.	① No electrical discontinuity of 10μs. ② Contact resistance: 100mΩ max. ③ No damage, crack and looseness of parts.	-	-	
Lock Strength	Applying a pull force the mating axially at 100N max.	① During applying, mating completely. ② After applying, no defect of mating parts.	-	-	
ENVIRONMENTAL CHARACTERISTICS					
Damp Heat (Steady State)	Exposed at 60°C, 90 ~ 95 %, 500h.	① Contact resistance: 100mΩ max. ② Insulation resistance: 100MΩ min. ③ No damage, crack and looseness of parts.	-	-	
Rapid Change Of Temperature	Temperature -40 → 5 to 35 → 105 → 5 to 35°C Time 30 → 5 → 30 → 5 min under 1000 cycles.	① Contact resistance: 100mΩ max. ② Insulation resistance: 100MΩ min. ③ No damage, crack and looseness of parts.	-	-	
Dry Heat	Exposed at 105°C, 300h.	① Contact resistance: 100mΩ max. ② No damage, crack and looseness of parts.	-	-	
Cold	Exposed at -40°C, 120h.	① Contact resistance: 100mΩ max. ② No damage, crack and looseness of parts.	-	-	
Resistance To So ₂ Gas	Exposed in 25 ppm for 96h.	① Contact resistance: 100mΩ max. ② No damage, crack and looseness of parts.	-	-	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
①					
REMARK		APPROVED	KI. HIROKAWA	20211223	
Note1) Include the temperature rising by current.		CHECKED	MH. YAMAGUCHI	20211223	
		DESIGNED	HR. IWAI	20211223	
		DRAWN	HR. IWAI	20211223	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC-395729-00-00	
	SPECIFICATION SHEET	PART NO.	WGT43GT43-1192		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0781-1192-0-00		1/1