



APPLICABLE STANDARD						
Rating	Operating Temperature Range	-40 °C to +105 °C (Note 1)		Storage Temperature Range	-55 °C to +85 °C (Note 2)	
	Voltage	—		—	—	
	Current	—		Applicable Cable	—	
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
MECHANICAL CHARACTERISTICS						
Mechanical Operation		500 times Insertions and extractions.		No damage, crack and looseness of parts	X	—
Vibration	Frequency : 10 to 55 Hz, singe amplitude 0.75 mm, at 2 h, for 3 axial directions. (refer to an attached figure)		No damage, crack and looseness of parts.		X	—
	frequency : 10 to 500 Hz, singe amplitude 0.35 mm, acceleration 49 m/s ² , 10 cycles each, 30 cycles in total, for 3 axial directions. 10 to 500 to 10 Hz for approx 11 min.(1 oct/min)				X	—
Vibration (Railway Random Vibration Test)		JIS E 4031 category 1 class B frequency:5~150Hz condition m/s ² asd level(m/s ²) ² /Hz 7.90 1.857 3 axial directions, 5 h each.		No damage, crack and looseness of parts.	X	—
Shock		490 m/s ² duration of pulse 11 ms at 3 times in 3 both axial directions. half-sine wave.		No damage, crack and looseness of parts.	X	—
Shock (Railway)		JIS E 4031 category 1 class B peak acceleration m/s ² nominal time ms 50 30 3 both axial directions, 3 times each.		No damage, crack and looseness of parts.	X	—
ENVIRONMENTAL CHARACTERISTICS						
Rapid Change Of Temperature		Temperature -40 → 15 to 35 → 105 → 15 to 35 °C time 30 → 2 to 3 → 30 → 2 to 3 min. under 5 cycles.		No damage, crack and looseness of parts.	X	—
Heat Resistance		Exposed at 105 ± 2 °C, 96 h. Combining the applicable connectors.		No damage, crack and looseness of parts.	X	—
Cold Resistance		Exposed at -55 ± 3 °C, 96 h. combining the applicable connectors.		No damage, crack and looseness of parts.	X	—
Humidity		Exposed at 60 ± 2 °C, 90 to 95 %, 96 h. combining the applicable connectors.		No damage, crack and looseness of parts.	X	—
Mixed Flowing Gus		Exposed in H ₂ S 0.1 ± 0.02 ppm, SO ₂ 0.5 ± 0.1 ppm, 25 ± 2 °C, 75± 3 %, 96 h. combining the applicable connectors.		No heavy corrosin ruin the function.	X	—
Corrosion Salt Mist		Exposed in 5 % salt water spray for 48 h. combining the applicable connectors.		No heavy corrosin ruin the function.	X	—
Note 1) ①The product performance is guaranteed only in the temperature adequate people's activities. ②Include temperature rise caused by current-carrying. ③Specifications for assembled item with applicable housing. Note 2) Packing materials are not included.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
						
REMARK Unless otherwise specified, refer to IEC 60512.				APPROVED	RI. TAKAYASU	16.01.22
				CHECKED	NM. NISHIMATSU	16.01.22
				DESIGNED	MO. SHIMOYAMA	16.01.22
				DRAWN	MO. SHIMOYAMA	16.01.22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-129139-00-00	
	SPECIFICATION SHEET		PART NO.	TJ-KY-PG		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL236-3125-0-00		1/1