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_2S 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
△0					

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

HRS	SPECIFICATION SHEET	DRAWING NO.	ELC-129141-00-00	
		PART NO.	TJ-KY-SG	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL236-3127-0-00 △0	1/1

FORM HD0011-2-1