APPLICAB	BLE STANDA	RD							
	Operating Temperature Range (2)		100C to 110E0C		Storage T Range	emperature	-10°C to +60°C		
Rating	Voltage		AC, DC 1000 V			_	_		
Current ⁽¹⁾		_			Applicable	Cable	Ф9.0~9.8	Ф9.0~9.8	
			SPEC	CIFICA	TIONS				
	TEM		TEST METHOD			REC	QUIREMENTS	QT	АТ
CONSTRU		1			<u> </u>		-		I
General Examination		Examined visually and with a measuring instrument.				According to the drawing.			Х
Marking		Confirmed visually.						Х	Х
ELECTRICAL CHARAC		TERISTICS							
Contact Resistance		Measured at DC 1A.			$5~\text{m}\Omega$	5 mΩ MAX.			Х
Insulation Resistance		Measured at 500 V DC.				5000 MΩ MIN.			Х
Voltage Proof		2200 V AC applied for 1 min.				No flashover or breakdown.			Х
Impulse Voltage Proof		Subjected to a standard waveform of 15kV in mated condition				No flashover or breakdown.			
		(1.2/50µs waveform, applied in both positive and negative polarities 3 times each).			ative				
MECHANII	CAL CHARA	ı'							
Contact Insert		1	with a ϕ steel gauge.		Inserti	on and extraction	on forces: — N MIN		
Extraction Forces		steel gauge.			moord	Insertion and extraction forces: — N MIN.			_
Mating and		Measured with an applicable connector.			Mating	Mating and unmating forces: 100 N MAX.			
Unmating Forces								Х	_
Contact Retention Force		Subjected to a 20N force from the wiring side.				No movement of contact.			
Mechanical O	peration	Mated and unmated 500 times.				Contact resistance: 10 mΩ MAX.			_
Vibration		Frequency: 10 Hz to 55 to 10 Hz every cycle (5 min per cycle)				1) No electrical discontinuity of more than 10 μs.			
		Single amplitude: 0.75 mm				2) No damage, cracks or looseness of parts.			_
			d over 10 cycles in each of three	mutually					
Shock		perpendicular directions. Acceleration: 490 m/s², Half sine wave pulses of 11 ms.				1) No electrical discontinuity of more than 10 μs.			
		Performed 3 times in each of three mutually perpendicular					s or looseness of parts.	Х	_
END//DON//	MENTAL OLL	directions.							
	MENTAL CHA				1) Inc.	ulation resistance	ee: 500 MΩ MIN.		I
Rapid Change of Temperature		Temperature: $-40 \rightarrow R/T^{(3)} \rightarrow +105 \rightarrow R/T \degree C$				No damage, cracks or looseness of parts.			_
		Time: $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to 3 min for 5 cycles.			2,110	2) No damage, ordere en reconnece en parte.			
Damp Heat, Steady State		Subjected to a temperature of +40°C, at a humidity of 90 to			90 to 1) Insi	1) Insulation resistance: 50 MΩ MIN. (At high humidity) 2) Insulation resistance: 500 MΩ MIN. (When dry) 3) No damage, cracks or looseness of parts.			
		95% for 96 hours.							_
					,				
Corrosion Salt Mist ⁽⁴⁾		Subjected to 5% salt spray for 48h.				No heavy corrosion which impairs functionality.			<u> </u>
Dry Heat		Subjected to +105°C for 96h.				No damage, cracks or looseness of parts.			-
Cold		Subjected to -40°C for 96h.				No damage, cracks or looseness of parts.			
						No water penetration to the inside of the			
Sealing ⁽⁴⁾ Air Tightness ⁽⁴⁾		Subjected to a depth of 2 m for 14 days. 17.6kPa applied to the inside of the connector for 0.5min.				connector. No air bubbles from the inside of the connector.			_
									_
COUN	NT DE	SCRIPTION	ON OF REVISIONS		DESIGNED		CHECKED	DA	ATE
<u> </u>		DIS-	-A-00065601						
NOTES						4 DDDO\/E	D TD KOMATCH	0000	00001
` '	•	ions show th	ons show the values in assembled condition with applicable			APPROVE	D TP. KOMATSU	20220301	
	np contacts.	, since along the community of				CLIECKEE	F L KINIT	VIINI I 00000001	
	: Room Temperatur	e rise due to current carrying. ature.				CHECKED	EJ. KUNII	20220301	
, ,	·	MIST, SEALING AND AIRTIGHTNESS SHALL BE TESTED			ESTED UNDE	R	CIL KOVANA	0000	0000
, ,		WITH AN APPLICABLE CONNECTOR.				DESIGNE	OH. KUYAMA	SH. KOYAMA 2022	
l Inlace of	herwise sne	cified, refer to IEC 60512 (JIS C 5402).				DRAWN	SH. KOYAMA	20220228	
	· ·		AT:Assurance Test X:Applicable Test			NG NO.	ELC-389361-81-00)
נחכ	SI	PECIFICATION SHEET PA			PART NO.	T NO. HR41A-17WBPAB-3P		(81)	
HS					CODE NO CLO		//1	ѝ	1/1
		HIROSE ELECTRIC CO., LTD.			CODE NO.	ULUI	CL0141-0232-0-81		