	Operating				Storage Te	mperature			
		re Range ⁽²⁾	1000 +1000		Range	mporataro	-10°C to +60)°C	
Rating	Voltage		AC, DC 1000 V	'	-	_	_		
	Current ⁽¹⁾		13A(ambient temperature 25°C) A		Applicable	olicable Cable _		_	
	•		SPEC	CIFICATION	ONS				
l.	TEM		TEST METHOD			RFQI	JIREMENTS	QT	Α
CONSTRU			TEOT WETTOD			T/LQ(JINEWEINTO	QΊ	17
General Exan		Examined v	risually and with a measuring in	strument.	Accord	ing to the drawir		Х	
Marking			Confirmed visually.			ing to the drawii	ıy.	X)
ELECTRICAL CHARAC			•						
Contact Resistance			Measured at DC 1A.			IAX.		Х	
nsulation Resistance			Measured at 500 V DC.			5000 ΜΩ ΜΙΝ.			1
Voltage Proof			2200 V AC applied for 1 min.			No flashover or breakdown.			
mpulse Voltage Proof		Subjected t	Subjected to a standard waveform of 15kV in mated condition			No flashover or breakdown.			-
		(1.2/50 <i>µ</i> s w	$(1.2/50\mu s)$ waveform, applied in both positive and negative						
		polarities 3	polarities 3 times each).						
MECHANI	CAL CHAR	ACTERISTI	CS		•				
Contact Insertion and		Measured v	Measured with a ϕ steel gauge.			Insertion and extraction forces: — N MIN.			
Extraction Forces								_	
Mating and		Measured v	Measured with an applicable connector.			Mating and unmating forces: 100 N MAX.			
Unmating Forces								Х	
Contact Retention Force		Subjected t	Subjected to a 20N force from the wiring side.			No movement of contact.			
Mechanical Operation		Mated and	Mated and unmated 500 times			Control verification and 40 are 0 MAY			+=
·			Mated and unmated 500 times.			Contact resistance: 10 mΩ MAX.			
VIDIALION	Vibration		Frequency: 10 Hz to 55 to 10 Hz every cycle (5 min per cycle) Single amplitude: 0.75 mm			 No electrical discontinuity of more than 10 μs. No damage, cracks or looseness of parts. 			-
			Performed over 10 cycles in each of three mutually			amaye, cracks	or looseness or parts.		
			ar directions.						
Shock			Acceleration: 490 m/s ² , Half sine wave pulses of 11 ms.				inuity of more than 10 μs.	X	١ _
		directions.	Performed 3 times in each of three mutually perpendicular			amage, cracks	or looseness of parts.		
ENVIRON	MENTAL C	HARACTER	ISTICS						
	e of Temperatu		re: -40 \rightarrow R/T ⁽³⁾ \rightarrow +105 \rightarrow R/	/T °C	1) Insul	ation resistance	: 500 MΩ MIN.		
tapia change of remperature		· ·	Time: $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to 3 min			2) No damage, cracks or looseness of parts.			-
		for 5 cycles							
Damp Heat, Steady State			Subjected to a temperature of +40°C, at a humidity of 90 to 95% for 96 hours.			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. No heavy corrosion which impairs functionality.			
		95% for 96							-
		Subjected t							+-
Corrosion Salt Mist ⁽⁴⁾			Subjected to 5% salt spray for 48h.						+
Dry Heat		,	Subjected to +105°C for 96h.			No damage, cracks or looseness of parts.			
Cold		Subjected t	subjected to -40°C for 96h.			No damage, cracks or looseness of parts.			_
Sealing ⁽⁴⁾		Subjected t	ubjected to a depth of 2 m for 14 days.			No water penetration to the inside of the			
					connec	connector.			
Air Tightness ⁽	(4)	17.6kPa ap	plied to the inside of the connec	ctor for 0.5min.	No air b	oubbles from the	inside of the connector.	nnector.	
							CHECKED	DΔ	\TE
COLIN	NT	DESCRIPTIO	N OF REVISIONS	וח	SIGNED			-	
COUN	NT		ON OF REVISIONS	DI	ESIGNED		OHLONED		
(NT		N OF REVISIONS 1-00065601	DI	ESIGNED		T		
	NT			DI	ESIGNED	APPROVED		2022	2030
NOTES (1) The	e above specifi	DIS-A	n-00065601 e values in assembled condition			APPROVED		2022	2030
NOTES (1) The	e above specifi	DIS-A	n-00065601 e values in assembled condition contact:HR41A-PC-111)			APPROVED CHECKED		2022	
NOTES (1) The crin (2) Incl	e above specifi np contacts. (a luding tempera	DIS-A	n-00065601 e values in assembled condition				TP. KOMATSU		
NOTES (1) The crin (2) Incl (3) R/T	e above specifi np contacts. (a luding tempera	DIS-A	e values in assembled condition contact:HR41A-PC-111) current carrying.	n with applicable	e		TP. KOMATSU		2030
NOTES (1) The crin (2) Incl (3) R/T (4) Cor	e above specifi np contacts. (a luding tempera	DIS-A	n-00065601 e values in assembled condition contact:HR41A-PC-111)	n with applicable	e	CHECKED	TP. KOMATSU EJ. KUNII	2022	2030
NOTES (1) The crin (2) Incl (3) R/T (4) Cor app	e above specifing contacts. (a luding tempera : Room Tempera : Room salt mis blicable connections : Room con	DIS-A cations show the pplicable crimp ture rise due to perature. t, sealing and ai tor.	a-00065601 e values in assembled condition contact:HR41A-PC-111) current carrying. irtightness are tested in mated of	n with applicable	e	CHECKED	TP. KOMATSU EJ. KUNII	2022	2030
NOTES (1) The crin (2) Incl (3) R/T (4) Cor app	e above specifi np contacts. (a luding tempera : Room Temp rrosion salt mis blicable connect herwise sp	DIS-A cations show the applicable crimp ture rise due to a cations and a tor. DECIFIED, ref	e values in assembled condition contact:HR41A-PC-111) current carrying.	n with applicable condition with a C 5402).	e	CHECKED DESIGNED DRAWN	TP. KOMATSU EJ. KUNII SH. KOYAMA SH. KOYAMA	2022	2022
NOTES (1) The crin (2) Incl (3) R/T (4) Cor app Unless of	e above specifi np contacts. (a luding tempera : Room Temp rrosion salt mis blicable connect herwise sp	DIS-A cations show the applicable crimp ture rise due to a cations and a tor. DECIFIED, ref	a-00065601 e values in assembled condition contact:HR41A-PC-111) current carrying. irtightness are tested in mated of	n with applicable condition with a C 5402).	e	CHECKED DESIGNED DRAWN	TP. KOMATSU EJ. KUNII SH. KOYAMA	2022	2022
NOTES (1) The crin (2) Incl (3) R/T (4) Cor app Unless ot	e above specifing contacts. (a luding tempera : Room Temperosion salt misolicable connectherwise spanial individual indiv	DIS-A cations show the applicable crimp ture rise due to erature. t, sealing and a tor. Decified, ref Test AT:Ass	e values in assembled condition contact:HR41A-PC-111) current carrying. irrightness are tested in mated of the contact of the	condition with a C 5402).	e an DRAWIN	CHECKED DESIGNED DRAWN NG NO.	TP. KOMATSU EJ. KUNII SH. KOYAMA SH. KOYAMA ELC-118468-8	2022 2022 2022 31-00	2022
NOTES (1) The crin (2) Incl (3) R/T (4) Cor app	e above specifing contacts. (a luding tempera : Room Temperosion salt misolicable connectherwise spanial individual indiv	DIS-A cations show the applicable crimp ture rise due to erature. t, sealing and a tor. Decified, ref Test AT:Ass	e values in assembled condition contact:HR41A-PC-111) current carrying.	condition with a C 5402).	e	CHECKED DESIGNED DRAWN NG NO.	TP. KOMATSU EJ. KUNII SH. KOYAMA SH. KOYAMA	2022 2022 2022 31-00	2022