APPLICAB	LE STANDA	RD									
	Operating Temperature	Range (2)	-40°C to +105°C Stor		age Temperature ge		-10°C to +60°C				
Rating	Voltage		AC, DC 1000 V		_		-	_			
	Current <sup>(1)</sup>		13A(ambient temperature 25°C) App			licable Cable Φ7.4~8.2					
	•		SPEC	CIFICA	TIONS	S	•				
IT	ГЕМ		TEST METHOD				REQ	UIREMENTS	QT	A <sup>-</sup>	
CONSTRU							~	<u> </u>		1 .	
General Exam		Examined	visually and with a measuring in	strument.		Accordir	ng to the drawi	na.	Х	Х	
Marking		Confirmed visually.					.9		Х	Х	
ELECTRIC	AL CHARAC	TERISTIC	CS								
Contact Resistance		Measured at DC 1A.				5 mΩ MAX. X				>	
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  MECHANICAL CHARAC		Subjected to a standard waveform of 15kV in mated condition (1.2/50µs waveform, applied in both positive and negative polarities 3 times each).				No flash	over or breakd	down.	X	_	
Contact Inserti						l					
Extraction Forces		Measured with a φ1.57±0.003 steel gauge.				insertion	i and extraction	n forces: 0.5 N MIN.	Х	-	
Mating and Unmating Forces		Measured with an applicable connector.			Mating and unmating forces: 100 N MAX.			х	-		
Contact Retention Force		Subjected to a 20N force from the wiring side.				No movement of contact.				1	
		<u> </u>							X	+	
Mechanical Operation		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) Single amplitude: 0.75 mm Performed over 10 cycles in each of three mutually perpendicular directions.				<ol> <li>No electrical discontinuity of more than 10 μs.</li> <li>No damage, cracks or looseness of parts.</li> </ol>			Х	-	
Shock		Acceleration: 490 m/s <sup>2</sup> , Half sine wave pulses of 11 ms. Performed 3 times in each of three mutually perpendicular directions.				<ol> <li>No electrical discontinuity of more than 10 μs.</li> <li>No damage, cracks or looseness of parts.</li> </ol>			х	-	
ENVIRONI	MENTAL CH		RISTICS								
		Temperature: $-40 \rightarrow R/T^{(3)} \rightarrow +105 \rightarrow R/T °C$ Time: $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to $3$ min for 5 cycles.			1) Insulation resistance: 500 M $\Omega$ MIN. 2) No damage, cracks or looseness of parts.			х	-		
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.			Х	-		
Corrosion Salt Mist <sup>(4)</sup>		Subjected	ubjected to 5% salt spray for 48h.			No heavy corrosion which impairs functionality.				<u> </u>	
Dry Heat		Subjected	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.				† -	
Sealing <sup>(4)</sup>		Subjected	to a depth of 2 m for 14 days.			No water penetration to the inside of the connector.			Х	<del> </del>	
Air Tightness <sup>(4)</sup>		17.6kPa ap	pplied to the inside of the connector for 0.5min.			No air bubbles from the inside of the connector.			Х	-	
COUN	IT DI	ESCRIPTION	ON OF REVISIONS DESIG		NED CHECKED			D/	ATE		
<b>\D</b>		DIS-	DIS-A-00065601		_						
NOTES  (1) The above specifications show the values in assembled condition with applicable					cable		APPROVE	TP. KOMATSU	20220301		
crimp contacts. (applicable crime) (2) Including temperature rise due			•				CHECKED	EJ. KUNI I	2022	20220301	
<ul><li>(3) R/T : Room Temperature.</li><li>(4) Corrosion salt mist, sealing and a applicable connector.</li></ul>			airtightness are tested in mated condition with an				DESIGNED	SH. KOYAMA	20220228		
Unless otherwise specified, re			efer to IEC 60512 (JIS C 5402).			DRAWN		SH. KOYAMA	20220228		
			surance Test X:Applicable T	ĺ	DRAWI		G NO.	ELC-118480-	LC-118480-81-00		
ПО		PECIFICATION SHEET OSE ELECTRIC CO., LTD.			PART NO.		HR41A-17WBPAE-5SC (81) CL0141-0223-9-81		(81)		
		~~-							$\triangle$	1/1	