APPLICAB	BLE STANDA	ŔD	TÜV approved (J503853						
Operating Temperature		-40 °C to +105 °C (5)		<b>C</b> (5)	Storage Temperatu Range		-10°C to +60°C		
Dation	Temperature Range		Power Contact : AC/DC 1500 V					_	
Rating	Voltage		Signal Contact : AC/DC	250 V	A		400 0 0		
	Current		Power Contact : 200 A (3) Signal Contact : 1 A			Applicable Cable 100 mm <sup>2</sup> m (AWG#4/0 m		)	
	1		SPEC	CIFICATI	ONS			,	
[]	ТЕМ		TEST METHOD			REQI	JIREMENTS	QT	A
		TEST METHOD				REQUIREMENTS			
		Examined	l visually and with a measuring in	strument				Х	Х
General Examination Marking		Examined visually and with a measuring instrument. Confirmed visually.			Accord	ling to the drawir	ng.	X	X
0								X	X
	CAL CHARAG							Х	
Contact Resistance(2)		Measured	Measured at DC 1A.(Power contact)			0.5 mΩ MAX.			X
Insulation Desisters			Measured at DC 1A.(Signal contact include GT8E-2S-			Ω MAX.		X	Х
Insulation Resistance Voltage Proof		Measured at 500 V DC. 4500 V AC applied for 1 min. (Power contact)				5000 MΩ MIN. No breakdown.			X
		4500 V AC applied for 1 min. (Power contact) 750 V AC applied for 1 min. (Signal contact)			INO Dre				X
			11	ict)				Х	^
MECHANI	CAL CHARA	1						Х	1
Mating and Unmating Forces		Measured with an applicable connector.				Mating and unmating forces: 100 N MAX.			_
		Without locking device.			-	(Between EM30MSD-A Plug and Receptacle)			<u> </u>
		Mated and unmated 200 times.				Contact resistance: 0.75 mΩ MAX. (Power contact)			-
Mechanical Operation		(Between EM30MSD-A Plug and Receptacle)				Contact resistance: $150 \text{ m}\Omega \text{ MAX}$ .			
		Mated and unmated 30 times			, .	(Signal contact inclede GT8E-2S-2C)			+_
		Mated and unmated 30 times. (Between EM30MSD-A Receptacle and GT8E-2S-2C)				Contact resistance : 150 mΩ MAX			-
		(Between EM30MSD-A Receptacle and G18E-2S-2C) Frequency: 10 Hz to 55 to 10 Hz every cycle (5 min per cycle)				(Signal contact inclede GT8E-2S-2C) 1) No electrical discontinuity of more than 10 μs.			
VIDICUOIT		Single amplitude: 0.75 mm				2) No damage, cracks or looseness of parts.			_
		-	d over 10 cycles in each of three	mutually	2)1101	damage, cracks			
			ular directions.	,					
Vibration 2 (Random) (ISO16750-3 / JASO D 014-3)		Frequenc	Frequency : 10 TO 2000 (Hz),			1) No electrical discontinuity of more than 10 $\mu$ s.			
		Acceleration spectrum density : 57.9 $m/s^2$ ,			2) No (	2) No damage, cracks or looseness of parts.			-
			3 directions.						
Shock		-				1) No electrical discontinuity of more than 10 $\mu$ s.			
		Performed 3 times in each of three mutually perpendicular			ar 2) No d	2) No damage, cracks or looseness of parts.			-
		directions							
-	MENTAL CH	-						Х	-
Rapid Change	e of Temperature	e Temperat	Temperature: -40 $\rightarrow$ R/T <sup>(1)</sup> $\rightarrow$ +125 $\rightarrow$ R/T °C			1) Insulation resistance: 5000 M $\Omega$ MIN.			-
		Time: $30 \rightarrow 2$ to $3 \rightarrow 30 \rightarrow 2$ to $3$ min			2) No (	2) No damage, cracks or looseness of parts.			
		for 5 cycles.							
Damp Heat, Steady State		Subjected	Subjected to a temperature of +40°C, at a humidity of 90 to 95% for 96 hours.			lation resistance	: 50 MΩ MIN.	Х	-
		95% for 9				(At high humidity)			
						2) Insulation resistance: 500 MΩ MIN. (When dry)			
		Subjected	Subjected to 5% salt spray for 48 hours.			3) No damage, cracks or looseness of parts. No heavy corrosion which impairs functionality.			-
Corrosion Salt Mist(4)						,	. ,	X	_
Sealing(4)			to a depth of 2 m for 14 days.		No wa	ter penetration in	to the connector.	^	
AirTichteor		`	(IPX8 Waterproof)(JIS C 0920:2003)						
Air Tightness(4)			17.6 kPa of air pressure applied to the inside of the mater			No air bubbles emitted from the inside of the			_
		connector	for 30 seconds.		connec	JUI.		Х	
COUN	JT D	ESCOIDTI	ON OF REVISIONS		ESIGNED		CHECKED		TE
			ON OF REVISIONS		LOIGINED		GHLGKED		11
REMARK						APPROVED	TP. KOMATSU	2022	20808
Notes (1) R/T	: Room Temper	rature	iture					0000000	
(2) Mea	asured contact re	sistance at the points shown in Fig.1 on the next page. n in Fig.2 on the next page.				CHECKED	HY. KOBAYASHI	20220808	
						DESIGNED	TY. SUZUKI	2022	2080
(4) Cor	rosion salt mist,	Sealing and	Sealing and Air tightness shall be tested under mated condition						
with	n an applicable c	onnector.							
(5) Ope	erating tempertu	e range includes the temperature rise by current carrying.				DRAWN	TY. SUZUKI	20220805	
Unless of	herwise spe	ecified. re	efer to IEC 60512 (JIS	C 5402).					
					עעעסס	DRAWING NO. ELC-119542-			h
		est AT:Assurance Test X:Applicable Test			DKAWI			'4-U(	J
HRS	S	PECIFICATION SHEET		P	ART NO.		EM30MSD-A (04)		
HIR			OSE ELECTRIC CO., LTD.				.0138-0206-0-04 🛕		
	HIF	KOSE E			ODE NO.	(.) (.)	(8–020h–0–04		1/2

