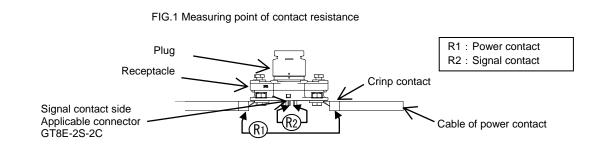
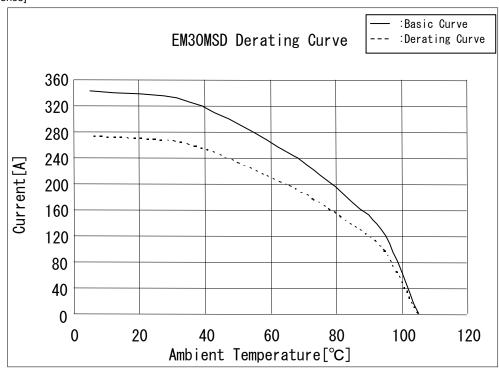
APPLICAB	LE STANDA	RD	TÜV approved (J503853	364). UL	approv	ved (E4	174564).					
	Operating		(/ /			Storage Temperature		:	10°C to 160°C			
Temperature		Range			Ran	-	-		-10°C to +60)*C		
Rating	Voltage		Power Contact : AC/DC Signal Contact : AC/DC		-			- -				
•			Power Contact : 200 A		P	Applicab	le Cable		100 mm ² mir	1		
	Current		Signal Contact : 1			, , 500			(AWG#4/0 mi			
			SPEC	CIFICA	TION:	S						
IT	EM		TEST METHOD				RI	EQU	IREMENTS	QT	AT	
CONSTRUCTION		TEST WETTOD				NE QUINEINE						
General Exami		Examined	visually and with a measuring in	strument.		Accordi	ng to the dr	awing	1	Х	Х	
Marking		Confirmed	l visually.			7.0001411	ing to the di	aw	,	X	Х	
ELECTRICAL CHARAC		1								- 1	I	
Contact Resistance(2)		Measured at DC 1A.(Power contact)				0.5 mΩ MAX.				Х	Х	
(-)		Measured at DC 1A.(Signal contact include GT8E-2S-2C)				90 mΩ MAX.				Х	Х	
Insulation Resistance Voltage Proof		Measured at 500 V DC.				5000 MΩ MIN.				Х	Х	
		4500 V AC applied for 1 min. (Power contact)				No breakdown.				Х		
			applied for 1 min. (Signal conta	act)						Х	Х	
MECHANIC	CAL CHARA	CTERIST	ICS									
Mating and Unmating Forces		Measured with an applicable connector.				Mating and unmating forces: 100 N MAX.				Х	-	
		Without locking device.				(Betwee	en EM30MS	D-A	Plug and Receptacle)			
		Mated and unmated 200 times.				Contact resistance: 0.75 mΩ MAX. (Power contact)				Х	_	
		Mated and unmated 200 times. (Between EM30MSD-A Plug and Receptacle)				Contact resistance: 150 mΩ MAX.						
Mechanical Op	peration	,				(Signal contact inclede GT8E-2S-2C) Contact resistance: 150 mQ MAX				X	1	
			I unmated 30 times. FM30MSD-A Recentacle and G	T8F-2S-20	2)					^	-	
Vibration 1			(Between EM30MSD-A Receptacle and GT8E-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.					
			plitude: 0.75 mm	(,,				r looseness of parts.	Х	_	
		Performed	l over 10 cycles in each of three	mutually			ge,					
		perpendic	ular directions.									
Vibration 2 (F		Frequency: 10 TO 2000 (Hz),				1) No el	1) No electrical discontinuity of more than 10 μs .					
(ISO16750-3 / JASO D 014-3)						2) No da	amage, crad	cks o	r looseness of parts.	X	_	
Shock			At 8 h, for 3 directions. Acceleration: 490 m/s², Half sine wave pulses of 11 ms.				1) No electrical discontinuity of more than 10 μs.					
SHOCK		Performed 3 times in each of three mutually perpendicular				,			r looseness of parts.	Х	_	
		directions.	TO times in odon of times mateur	iy porpona	louidi	2) 110 00	arriago, orac	0110 0	riocconcoc or parts.			
ENVIRONI	MENTAL CH		RISTICS			,L				ı		
			ure: -40 \rightarrow R/T ⁽¹⁾ \rightarrow +125 \rightarrow R	Z/T °C		1) Insula	ation resista	ance:	5000 MΩ MIN.	Х	_	
			I				2) No damage, cracks or looseness of parts.					
		for 5 cycles.										
Damp Heat, St	teady State	Subjected to a temperature of +40°C, at a humidity of 90 to			1) Insulation resistance: 50 MΩ MIN.				Х	_		
' '	,		95% for 96 hours.				(At high humidity)					
						2) Insulation resistance: 500 MΩ MIN. (When dry)						
		Cubicated to FOV poll accounts to 40 have				3) No damage, cracks or looseness of parts.				X	1	
Corrosion Salt	Mist(4)	Subjected to 5% salt spray for 48 hours.				No heavy corrosion which impairs functionality.						
Sealing(4)		Subjected to a depth of 2 m for 14 days.				No wate	er penetration	on inte	o the connector.	X	_	
A: T: ::		(IPX8 Waterproof)(JIS C 0920:2003)								+		
Air Tightness(4	1)	17.6 kPa of air pressure applied to the inside of the mater				No air bubbles emitted from the inside of the			X	_		
		connector	for 30 seconds.			connect	or.					
COUN	T DI	SCRIPTION	ON OF REVISIONS		DESIG	NED			CHECKED	ח	ATE	
_		LOOKIF III	ON OF INEVIOIONS	+	ביונים	-NED			OFFICINED	0/	/ \ I L	
<u>A</u>				1			1					
REMARK							APPROV	/ED	TP. KOMATSU	202	20808	
	: Room Tempera	ure istance at the points shown in Fig.1 on the next page.					CHECK	ED	HY. KOBAYASHI	202	20220808	
			· -					_				
		-	Fig.2 on the next page. ling and Air tightness shall be tested under mated condition			DESIGNE		IED	TY. SUZUKI		20805	
with an applicable connector.					Jonanion							
	udes the temperature rise by cu	urrent carrving.			DRAWN		TV CHTUVI		3U8VE			
	- '	_				DRAWN		1 1	TY. SUZUKI		20220805	
Unless otherwise specified, refer to IEC 60512 (JIS C 540				C 5402).							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				le Test	DI	DRAWING NO.			ELC-119542-04-00			
שכ	SI	SPECIFICATION SHEET			PART NO.		EM30MSD-A (04)					
		OSE ELECTRIC CO., LTD.		CODE NO.		CL0138-0206-0-04						
HS.	НΙΟ	OSE E	FCTRIC COLLED		000	- NO	רו מ	110	Q_0206_0_04	Δ	1/2	



[Reference]



Measurement method:

Mated plug and receptacle with 100 mm² cable.

Note

Derating curve could vary depending on cable type and each measurement even under the same conditions.

Therefore, above data are guidelines and not connector specifications.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-119542-04-00			
HS	SPECIFICATION SHEET	PART NO.	EM30MSD-A (04)				
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL013	8-0206-0-04	Δ	2/2	