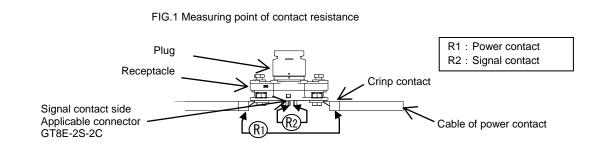
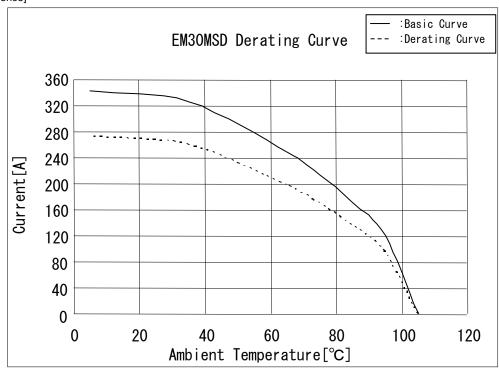
APPLICAE	BLE S	TANDAF	RD	TÜV approved (J503853	364). UL	_ approv	ved (E4	174564).					
Operating Temperature			Range	-40 °C to +105 °C			age Te	mperatur		-10°C to +60)°C		
Rating	Volta	age		Power Contact : AC/DC		-			_		_		
J				Signal Contact : AC/DC Power Contact : 200 A		-	Applicab	le Cable		100 mm² min	1		
Current			Signal Contact : 1 A				.ppoas			(AWG#4/0 mir			
				SPEC	CIFICA	NOITA	S						
ľ	TEM			TEST METHOD				R	EQU	IREMENTS	QT	ТА	
CONSTRUCTION													
General Exam	ninatior	1	Examined	visually and with a measuring in	strument.		Accordi	ng to the d	rawing	1 .	Х	Х	
Marking			Confirmed	visually.				J		,	Х	Х	
ELECTRIC	CAL C	HARAC	TERISTI	CS			•				•	•	
Contact Resistance(2)			Measured at DC 1A.(Power contact)				0.5 mΩ MAX.				X	Х	
.,			Measured at DC 1A.(Signal contact include GT8E-2S-2C)				90 mΩ MAX.				Х	Х	
Insulation Resistance			Measured at 500 V DC.				5000 MΩ MIN.			Х	Х		
Voltage Proof			4500 V AC applied for 1 min. (Power contact)				No breakdown.				X	X	
				applied for 1 min. (Signal conta	act)						Х	Х	
MECHANI	CAL (CHARAC	TERIST	ICS			I		. ,	400 111111	1 1/	1	
Mating and Unmating Forces			Measured with an applicable connector.						•	ces: 100 N MAX.	Х	-	
			Without locking device.					(Between EM30MSD Plug and Receptacle)				-	
			Mated and	unmated 50 times.						75 mΩ MAX. (Power contact)	Х	-	
Mechanical Operation			(Between EM30MSD Plug and Receptacle)				Contact resistance: 150 mΩ MAX. (Signal contact inclede GT8E-2S-2C)						
			Mated and unmated 30 times.				Contact resistance : 150 mΩ MAX				Х	 -	
			(Between I	EM30MSD Receptacle and GT8	E-2S-2C)		(Signal c	ontact incled	de GT8	E-2S-2C)			
Vibration 1				: 10 Hz to 55 to 10 Hz every cyc	le (5 min p	per cycle)	1) No el	1) No electrical discontinuity of more than 10 μs.			V		
				olitude: 0.75 mm			2) No da	amage, cra	acks o	r looseness of parts.	Х	-	
				over 10 cycles in each of three	mutually								
Vibration 2 (Rando	m)	perpendicular directions.				1) No el	1) No electrical discontinuity of more than 10 μs.					
(ICO167E0 2 / IACO D 011 2)			Frequency: 10 to 2000 (Hz), Acceleration spectrum density: 57.9 m/s²,							r looseness of parts.	Х	_	
			At 8 h, for	3 directions.			_,	g-,		- Paritor			
Shock Acce				Acceleration: 490 m/s ² , Half sine wave pulses of 11 ms.				ectrical dis	contir	nuity of more than 10 μs.	_		
				3 times in each of three mutual	ly perpend	dicular	2) No da	amage, cra	acks o	r looseness of parts.	X	-	
END/IDON	N 41 - N 1 -	541 0114	directions.	NOTICO									
ENVIRON							4) 11-	-411-4		FOOD MO MINI		1	
			Temperature: -40 \rightarrow R/T ⁽¹⁾ \rightarrow +125 \rightarrow R/T °C				,			5000 MΩ MIN.	X	-	
			7 mile: 60				2) No damage, cracks or looseness of parts.						
			for 5 cycles.				1) Insulation resistance: 50 MΩ MIN.				Х	+_	
Damp Heat, S	oleauy .	State	Subjected to a temperature of +40°C, at a humidity of 90 to 95% for 96 hours. Subjected to 5% salt spray for 48 hours.				(At high humidity) 2) Insulation resistance: 500 MΩ MIN. (When dry) 3) No damage, cracks or looseness of parts.						
Corrosion Sal	t Mist(4)					No heav	y corrosio	n whic	ch impairs functionality.	X	_	
Sealing(4)			-	ojected to a depth of 2 m for 14 days. (8 Waterproof)(JIS C 0920:2003)			No water penetration into the connector.				X	-	
Air Tightness(4)			17.6 kPa of air pressure applied to the inside of the mater				No air bubbles emitted		itted f	from the inside of the		1	
<u> </u>				for 30 seconds.			connect	or.			Х		
				· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u> </u>					
COUN	NT	DE	SCRIPTION	ON OF REVISIONS		DESIG	SNED			CHECKED	D/	ATE	
<u> </u>								<u>. </u>					
REMARK				g and Air tightness shall be tested under mated condition				APPRO	VED	TP. KOMATSU	202	20808	
(3) Delaying curve shown in Fig.2 o								CHECK	(FD	HY. KOBAYASHI	202	ეიჲიი	
							DESIGNED		,LD	III. NODATAOIII	20220808		
									NED	TY. SUZUKI		20220805	
										+			
• •				ludes the temperature rise by current carrying.			DRAWN		/NI	דע פווקווע ז		2002	
							DRAWN		VIN	TY. SUZUKI		20220805	
Unless ot	nerw	ise spec	citied, re	fer to IEC 60512 (JIS	C 5402	').							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					D	RAWING NO.			ELC-118302-04-		0		
			PECIFI	CATION SHEET		PART				EM30MSD (04)		1	
HIROSE			OSE EL	ECTRIC CO., LTD.		CODE	NO. CL013		013	8-0200-0-04	Δ	1/2	
ODM LIDOO11						<u> </u>						1	



[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-118302-04-00			
HS.	SPECIFICATION SHEET	PART NO.	EM30MSD (04)				
10	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL013	8-0200-0-04	Δ	2/2	