APPLICA	BLE STAN	DARD								
	OPERATING TEMPERATURE RANGE		-30°C TO +75°C TEM		STORAG TEMPER	PRAGE PERATURE RANGE		-40°C TO +85°C		
RATING	VOLTAGE		DC 30V MAX. / AC 40V MAX.		-	OPERATING HUMIDITY RANGE		−% TO −%		
	CURRENT		3A MAX.		APPLICA	APPLICABLE CABLE		AWG24 TO AWG32		
	1		SPEC	IFIC/	ATIONS	3				
רו	EM		TEST METHOD			F	REQU	IREMENTS	QT	АТ
	RUCTION								•	•
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACC	ACCORDING TO DRAWING.				X
MARKING ELECTRICAL CHA		CONFIRMED VISUALLY.							X	Х
CONTACT RESISTANCE		10 mA MAX (DC OR 1000 Hz).				30mΩ MAX.				1_
INSULATION RESISTANCE		100 V DC.			1000	1000 MΩ MIN.			X	+=
VOLTAGE PROOF		250 V AC FOR 1 min.			NO	NO FLASHOVER OR BREAKDOWN.				Х
MECHAN	NICAL CHA	ARACTI	ERISTICS						X	
INSERTION AND		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE 19.6 N MAX.				_
WITHDRAWAL FORCES		FOOG TIMES INICEDIONS AND EVER ACTIONS				WITHDRAWAL FORCE 4 TO 19.6 N				-
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.			2) N	1) CONTACT RESISTANCE : 50 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	_
VIBRATION		FREQUENCY 10 TO 55 Hz			,	1) NO ELECTRICAL DISCONTINUITY OF 1μs.			X	_
		SINGLE AMPLITUDE 0.75 mm,  - m/s <sup>2</sup> AT 2 HOURS FOR 3 DIRECTIONS.				2) CONTACT RESISTANCE: 50 mΩ MAX.  3) NO DAMAGE, CRACK AND LOOSENESS  OF PARTS.				
		490 m/s <sup>2</sup> , DIRECTIONS OF PULSE 11 ms								<u> </u>
		AT 3 TIMES FOR 3 DIRECTIONS.								
			ACTERISTICS						X	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE $-55 \rightarrow 5TO35 \rightarrow +85 \rightarrow 5TO35 ^{\circ}C$ TIME $30 \rightarrow 5 \rightarrow 30 \rightarrow 5$ min. UNDER 5 CYCLES.			,	1) CONTACT RESISTANCE : 50 mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN.				-
					3) N	IO DAMAGE,		K AND LOOSENESS		
D		E\/D00E5	AT 10 10 00 TO 00 1/2 FOR 0			OF PARTS.		105 50 01414		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, FOR 96 HOURS .			,			NCE : 50 m $\Omega$ MAX. TANCE: 10 M $\Omega$ MIN.	X	-
	,				`	AFTER DRY.) IO DAMAGE,	CRAC	K AND LOOSENESS		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER FOR 48 HOURS.				OF PARTS.  1) CONTACT RESISTANCE : 50 mΩ MAX.				
CORROGION SALT MIST		EAFOSED IN 3 % SALT WATER FOR 40 HOURS.			2) N	2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
RESISTANCE TO		TEMPERATURE: 380 ± 5 °C				NO DAMAGE, CRACK AND LOOSENESS				_
SOLDERING HEAT (SOLDERIRON METHOD)		TIME: 3 sec.			OF	PARTS.				
(OOLDERMICH METHOD)										
COUN	T DI	ESCRIPTION	ON OF REVISIONS		DESIGNE	D		CHECKED	DA	TE
Δ										
REMARK							APPROVED NM. NISHIMATSU			0. 27
						CHECK		KN. ICHIKAWA		0. 27
l lalaa :		oified refer to IEC 60542				DESIGNED		TS. ITO	15. 10. 27	
			ied, refer to IEC 60512.			DRAWN		AK. AKIYAMA	15. 10. 27	
						RAWING NO.		ELC-120678-30-00		
HS			CATION SHEET		PART NC		MQ172-3SA-CV (30)			
	HIROSE ELECTRIC CO., LTD.				CODE NO	o. CL	CL206-0951-7-30		Δ	1/1