APPLICA	BLE STAN	DARD									
	OPERATING TEPERATURE	RANGE	1 30°C TO +75°C 1		STORAGE TEMPERATURE R		NGE		2> -40 °C TO +85 °C		
RATING	VOLTAGE		DC30V MAX/AC40V MAX		PERATING UMIDITY R			- % TO -%			
	CURRENT		MAX 2 A	AF	APPLICABLE CABLE				AWG24 TO AWG3:		
				•				•			
			SPEC	IFIC	ATIO	NS					
	ГЕМ		TEST METHOD					REQU	IREMENTS	QT	АТ
	RUCTION	TVICTIALLY AN	D DV MEASHDING INSTDI	LIMENT		IACCOR	DINC TO	) DD AV	VINC	1	Т
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.  CONFIRMED VISUALLY.			ACCORDING TO DRAWING.				Х	X	
MARKING										Х	Χ
ELECTRICAL CHA		<del>-</del>				30 mΩ l	MAX				_
		10 mA (DC OR 1000 Hz).				30 HISZ IVIAA.				Х	X
CONTACT RE	ESISTANCE EVEL METHOD	mV MAX, –	mA(DC OR 1000Hz).							-	-
	RESISTANCE	100 V DC.				1000 M				Х	-
VOLTAGE PR		250 V AC FO				NO FLA	SHOVE	R OR B	REAKDOWN.	X	X
INSERTION A	VICAL CHA		ISTICS Y APPLICABLE CONNECT	TOR		INSERT	ION FOR	RCE	21.6 N MAX.	1	<del>1</del>
WITHDRAWA		MEASURED BY APPLICABLE CONNECTOR.			WITHDRAWAL FORCE 6 TO 21.6 N.			Х	-		
MECHANICA	L OPERATION	5000 TIMES I	NSERTIONS AND EXTRAG	CTIONS.		① CONTACT RESISTANCE: 50 m $\Omega$ MAX					
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-		
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE			① NO ELECTRICAL DISCONTINUITY OF			,,	T_		
		0.75 mm, - m/s <sup>2</sup> AT 2 h, FOR 3 AXIAL DIRECTIONS.			1μs MIN.  ② CONTACT RESISTANCE: 50 m $\Omega$ MAX			Х			
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS,.			③ NO HEAVY DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	-		
ENVIRO RAPID CHAN			TERISTICS RE -55 →+5 TO +35→+85	→ 15 TO	. 25 °C	① CON	ITACT D	EQIQT/	ANCE: 50 mΩ MAX.		Т
TEMPERATURE		TIME $30 \rightarrow 5 \rightarrow 30 \rightarrow 5 \text{ min.}$ UNDER 5 CYCLES.			<ul> <li>② INSULATION RESISTANCE: 1000 MΩ MIN.</li> <li>③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>				X	-	
DAMP HEAT		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX.						
(STEADY STATE)					② INSULATION RESISTANCE: 10 M $\Omega$ MIN. (AFTER DRY)			X			
							DAMAGE PARTS.	, CRAC	CK AND LOOSENESS	^	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			CONTACT RESISTANCE: 50 mΩ MAX.     NO HEAVY DAMAGE, CRACK AND LOOSENESS OF PARTS.						
									X	-	
COUN	IT DE	SCRIPTION :	OF REVISIONS		DESIG	NED			CHECKED	D/	TE
<b>A</b>			O. IL VIOIOINO		DEGIC	,,,LD			OI ILOILLD		
REMARK	E ODED ATION T	EMBED ATUBE	INCLUDED THE TEMPER	ATURE	2105		APPRO	OVED	NM. NISHIMATSU	15. 1	10. 27
	CURRENT CAR	EMPERATURE INCLUDES THE TEMPERATURE RISE RYING.			CHEC			KN. ICHIKAWA	+	10. 27	
2 STORAGE TEMPER PRODUCTS EXCLU		RATURE RANGE SHOWS STORAGE CONDITION FOR UNUI JDING PACKING MATERIALS.FOLLOW THE OPERATING ANGE FOR STORAGE CONDITIONAFTER MOUNTING.			SED DESIGN		SNED	100		10. 27	
							WN			10. 27	
			REFER TO IEC 605		T	<b></b>			FLO 100040	20. 24	
			nce Test O:Applicable	rest		T NO.			ELC-120842-30-00 MQ172X-4PA (30)		
HS	_	AUDOOF FLECTRIC CO. LTD.						1.000	· · ·		1/0
	HIR				CODE			CL206-2000-6-30			1/2

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ				
DRY HEAT	EXPOSED AT 85 °C, 240 h.	1 CONTACT RESISTANCE: 50 m $\Omega$ MAX. 2 INSULATION RESISTANCE: 1000 M $\Omega$ MIN.	0	-				
COLD	EXPOSED AT -55 °C, 240 h.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	0	-				
RESISTANCE TO SOLDERING HEAT	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES.	NO DEFORMATION OR SIGNIFICANT LOOSENESS OF CONTACTS.	0	-				

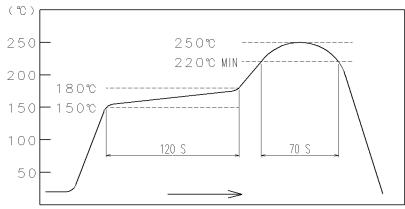


FIG – 1 <u>RESISTANCE TO SOLDERING HEAT</u> (TEMPERATURE AT TOP SURFACE OF CONNECTOR)

## RECOMMENDED PROFILE REFERS TO FIG – 2. (TEMPERATURE AT SMT LEADS)

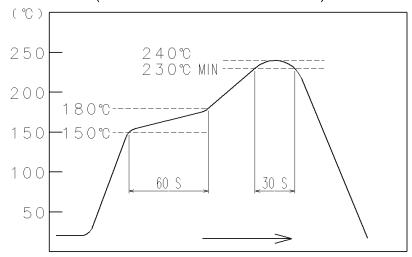


FIG - 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT	Qualification Test AT:Assurance Test O:Applicable Test	DRAWIN	IG NO.	ELC-120842-30-00		
HC	SPECIFICATION SHEET	PART NO.	MQ172X-4PA (30)			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL206	5-2000-6-30	Δ	2/2