



NIPPON KAIJI KYOKAI

**TYPE APPROVAL CERTIFICATE
FOR AUTOMATIC DEVICES AND EQUIPMENT**

Certificate No. TA20222M

This is to certify that the undernoted product(s) has/have been approved in accordance with the requirements specified in Chapter 1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” and the relevant Society's Rules.

This certificate is issued to

Manufacturer:	Mitsubishi Electric Corporation, Nagoya Works
Place of Manufacturing:	5-1-14 Yadaminami Higashi-ku Nagoya, Aichi-pref. 461-8670 Japan
Product description:	Programmable Logic Controller
Model:	MELSEC iQ-R series
Approval No.:	15A006
Valid until:	10 March 2025

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 11 March 2020.


T. Shimada
General Manager
Machinery Department



Note: (1) The certificate has been issued due to the addition of the components and renewal.

(2) The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

NIPPON KAIJI KYOKAI

Attached sheet -1/4 to the Certificate No. TA20222M

Specification & documents:

1. Particulars: Power supply: AC 100/200V, DC 24V

2. Components and reference drawings:

Component	Type	Remarks
Power supply Modules	R61P, R62P, R63P, R64P, R63RP, R64RP	*1
CPU Modules	R04CPU, R04ENCPU, R08CPU, R08ENCPU, R08PCPU, R16CPU, R16ENCPU, R16PCPU, R32CPU, R32ENCPU, R32PCPU, R120CPU, R120ENCPU, R12CCPU-V, R120PCPU, R00CPU, R01CPU, R02CPU, R08PSFCPU, R16PSFCPU, R32PSFCPU, R120PSFCPU	*1
Base unit modules	R312B, R38B, R35B, R310B-HT, R610B-HT, R612B, R68B, R65B, RQ612B, RQ68B, RQ65B, R310RB, R610RB, R38RB-HT, R68RB-HT	*1
Positioning Modules	RD75P2, RD75P4, RD75D2, RD75D4	*1
High –Speed Counter Modules	RD62P2, RD62D2, RD62P2E	*1
A/D Conversion Modules	R60AD4, R60ADV8, R60ADI8, R60ADH4, R60AD8-G, R60AD16-G	*1
D/A Conversion Modules	R60DA4, R60DAV8, R60DAI8, R60DA8-G, R60DA16-G, R60DAH4	*1
HART analog module	R60ADI8-HA	*2
I/O Modules	RH42C4NT2P, RX40C7, RX40PC6H, RX40NC6H, RX41C4, RX41C6HS, RX42C4, RX61C6HS, RY40NT5P, RY40PT5P, RY41NT2P, RY41NT2H, RY41PT1P, RY41PT2H, RY42NT2P, RY42PT1P, RX10, RY10R2, RX28, RX40NC6B, RY18R2A, RY20S6, RY40PT5B, RX10-TS, RX40C7-TS, RX41C4-TS, RX70C4, RX71C4, RX72C4, RY10R2-TS, RY40NT5P-TS, RY40PT5P-TS, RY41NT2P-TS, RY41PT1P-TS	*1
Serial Communication Modules	RJ71C24, RJ71C24-R2, RJ71C24-R4	*1
MES Interface Modules	RD81MES96	*1
Intelligent Communication Modules	RD55UP06-V	*1
High Speed Data Logger Module	RD81DL96	*1
Temperature Control Modules	R60TCTRT2TT2, R60TCTRT2TT2BW, R60TCRT4, R60TCRT4BW, R60TD8-G, R60RD8-G	*1

– To be continued –

NIPPON KAIJI KYOKAI

Attached sheet -2/4 to the Certificate No. TA20222M

Component	Type	Remarks
Ethernet Interface with CC-Link IE	RJ71EN71	*1
CC-Link System Master/Local	RJ61BT11	*1
CC-Link IE Field Network Master/Local	RJ71GF11-T2	*1
CC-Link IE TSN MASTER/LOCAL	RJ71GN11-T2	*2
CC-Link IE Controller Network module	RJ71GP21S-SX	*2
CC-Link IE Controller Network (Optical fiber type)	RJ71GP21-SX	*1
Redundant Function Module	R6RFM	*1
Remote Head Module	RJ72GF15-T2	*1
Accessory, Extension cables	RC06B, RC12B, RC30B, RC50B, RC100B	*1
Accessory, Extended SRAM unit	NZ2MC-1MBS, NZ2MC-2MBS, NZ2MC-4MBS, NZ2MC-8MBS, NZ2MC-16MBS, NZ2MC-8MBSE	*1
	NZ2MC-2MBSE	*2
Accessory, Memory card	L1MEM-2GBSD, L1MEM-4GBSD	*1
SIL2 Function Module	R6PSFM	*1
DeviceNet Module	RJ71DN91	*1
PROFIBUS-DP Module	RJ71PB91V	*1
CANopen module	RJ71CN91	*1
PROFINET Module	RJ71PN92	*1
EtherNet/IP Module	RJ71EIP91	*1
Battery-less option cassette	NZ1BLC	*1

Note: The suffix of (C) could be added to each type. It means special coatings.

– To be continued –

3. Documentation and Test Reports:

Specifications, outline, manual, parts list, circuit diagram:

BCN-88000-0708, BCN-88000-0708-A, BCN-88000-0937,
BCN-P5999-0192, RCPU-U-IN-E, RJ71DN91-U-IN-E,
RJ71PB91V-U-IN-E, RJ71CN91-U-IN-E,
RJ71PN92-U-IN-E, RJ71EIP91-U-IN-E, R-IO-U-E,
BCN-88000-1389, BCN-88000-1391, BCN-88000-1392,
BCN-88000-1393
R60ADI8-HA-U-IN-E , R-CCIETSN-U-IN-E ,
R-ETHER/CCIE-U-IN-E, BCN-P5999-0192-E,
BCN-88000- 1529, BCN-88000-1533, BCN-88000-1535,
BCN-88000-1537

Test specification : BCN-88000-0709-C, BCN-88000-0936-B,
BCN-88000-1061-A, BCN-88000-1365
BCN-88000-1527-A

Test report No. : BCN-88000-0736, BCN-88000-0997, BCN-88000-1239,
BCN-88000-1439
BCN-88000-1603

Quality control plans for software : BCN-88000-0737, -0738, -0740

Record of software modification : BCN-88000-0739

Certification of materials for flame retardation : included in BCN-88000-0708

– To be continued –

NIPPON KAIJI KYOKAI

Attached sheet -4/4 to the Certificate No. TA20222M

Test items & approval conditions:

1. Test items:

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		X
Power supply fluctuation test	Electric	X
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		X
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature 70°C × 16 hours)		X
Damp heat test		X
Vibration test (Acceleration $\pm 0.7g \times 1.5$ hours)		X
Inclination test		X
Cold test (Temperature 5°C × 2 hours)		X
Salt mist test		--
Electrostatic discharge immunity test		X
Radiated radio frequency immunity test (Frequency: 80MHz ~ 2GHz ^{*1} 80MHz ~ 6GHz ^{*2})		X
Conducted low frequency immunity test		X
Conducted high frequency immunity test		X
Burst / Fast transient immunity test		X
Surge immunity test		X
Radiated emission test (Frequency: 150kHz ~ 2GHz ^{*1} 150kHz ~ 6GHz ^{*2})		X
Conducted emission test		X
Flame retardant test		--

Note : With regard to the types which have applied test condition mark *1 or *2, refer to remarks column in component / type list.

2. Approval condition:

This product is not allowed to be installed on open decks.

– The End –