



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **24 205 - 04 HH**

Company **Mitsubishi Electric Corporation
Himeji Works
840 Chiyoda-Machi
Himeji, Hyogo, 670 Japan**

Product Description **Programmable Logic Controller**

Type **FX1S / FX1N Series**

Environmental Category **C, EMC1, EMC2**

Technical Data /
Range of Application **Power supply: 100 -240V AC* or 24V DC
Base units FX1S:
-10MR-DS; -10MR-ES; -10MT-DSS; -10MT-ESS/UL
-14MR-DS; -14MR-ES; -14MT-DSS; -14MT-ESS/UL
-20MR-DS; -20MR-ES; -20MT-DSS; -20MT-ESS/UL
-30MR-DS; -30MR-ES; -30MT-DSS; -30MT-ESS/UL
Base units FX1N:
-14MR-DS; -14MR-ES/UL; -14MT-DSS; -14MT-ESS/UL
-24MR-DS; -24MR-ES/UL; -24MT-DSS; -24MT-ESS/UL
-40MR-DS; -40MR-ES/UL; -40MT-DSS; -40MT-ESS/UL
-60MR-DS; -60MR-ES/UL; -60MT-DSS; -60MT-ESS/UL
MR: relay output MT: transistor output
DS: DS(S): DC power supply ES(S)/UL*: AC power supply
*Env. Category 'EMC2' for types ES(S)/UL without RFI filter
*Env. Category 'EMC1' for types ES(S)/UL with RFI filter RASMI FFR-S520S-14A-RF1
see page 2 for continuation**

Test Standard **Guidelines for the Performance of Type Tests Part 1, Edition 2003**

Documents **Test Reports: LR No. BZ-5486; Tokin No. S2B00Z281, Tokin No. S1A003172,
Tokin No. S1R008192, SENTON No. 51316-30682-B, ME No. 240430 (a...f)
Evaluation/Test on Reliability of Products;
Technical Drawings; Data Sheets; Software Documentantation**

Remarks **Respective application software is subject to supplementary approval**

Valid until **2009-11-30**

Page 1 of 2

Type Approval Symbol



File No. I.B.07

Hamburg, 2004-12-01

Germanischer Lloyd

J. Wittburg

D. Lesniewski

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undemoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 24 205 - 04 HH

Extension units (expansion boards) for FX1S/FX1N:

FX1N-8AV-BD	Analogue Potentiometer
FX1N-4EX-BD	Digital Input Board, 4 channels
FX1N-2EYT-BD	Digital Output Board, 2 channels
FX1N-2AD-BD	Analogue Input Board, 2 channels
FX1N-1DA-BD	Analogue Output Board, 1 channel
FX1N-232-BD	RS-232C Communication Board
FX1N-422-BD	RS-422 Communication Board
FX1N-485-BD	RS-485 Communication Board
FX1N-5DM	Display Module

For other connectable extension units see Certificate No. 13 827-99 HH

Software requirement class: 3

Software (Firmware) version: 2.10

Valid until 2009-11-30

Page 2 of 2

Type Approval Symbol



File No. I.B.07

Hamburg, 2004-12-01

Germanischer Lloyd


J. Wittburg


D. Lesniewski

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".