

Certification of Compliance with Safety Standards for MELSEC iQ-R Series SIL2 Redundant System Products

■Date of Issue

October 2025 (Ver. B: July 2026)

■Relevant Models

R08PSFCPU-SET, R16PSFCPU-SET, R32PSFCPU-SET, R120PSFCPU-SET

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC iQ-R series. The TÜV Rheinland certification (Safety Integrity Level 2) had expired for the MELSEC iQ-R series SIL2 redundant system. This technical bulletin informs you that the following product has been certified by a third-party certification body as compliant with safety standards.

1 APPLICABLE PRODUCTS (SUPPORTING SAFETY PROTOCOL VERSION 2)

The following product has been certified by a third-party certification body as compliant with safety standards.

Product	Model	Firmware version
SIL2 Process CPU*1 (Packaged with SIL2 function modules)	R08PSFCPU-SET, R16PSFCPU-SET, R32PSFCPU-SET, R120PSFCPU-SET	14

*1 The product also supports the safety protocol version 1.

2 PRODUCTS UNDER SELF-DECLARATION (SUPPORTING SAFETY PROTOCOL VERSION 1)

Product	Model
SIL2 Process CPU (Firmware version "13" or earlier)	R08PSFCPU-SET, R16PSFCPU-SET, R32PSFCPU-SET, R120PSFCPU-SET
Input module with diagnostic functions	RX40NC6B
Output module with diagnostic functions	RY40PT5B
Channel isolated analog-digital converter module	R60AD8-G
Channel isolated digital-analog converter module	R60DA8-G
SIL2 analog control output module	RY40PT5B-AS

3 SAFETY PROTOCOL VERSION

The issuance year of the target safety communication standard differs between this certification and the previous one (valid until December 7, 2022). Therefore, the supported safety protocol version varies by product.

Refer to the manual for each product and select products based on the combinations specified for safety communications.

Certification period	Applicable safety communication standard: Year of issue	Safety protocol version
Previous certification (Valid until December 7, 2022)	IEC 61784-3: 2010	1
Current certification	IEC 61784-3: 2021	2

FA-A-0469-B

REVISIONS

Version	Date of Issue	Revision
A	October 2025	First edition
B	July 2026	Revision of the frimware version

TRADEMARKS

The company names, system names, and product names mentioned in this technical bulletin are either registered trademarks or trademarks of their respective companies.

In some cases, trademark symbols such as '™' or '®' are not specified in this technical bulletin.