Add value.
Inspire trust.

Annex

on the

Report on the Certificate

Z10 099278 0008 Rev. 02

Z10 099278 0012 Rev. 03

of the

Safety Related Programmable Electronic System
Safety board

Applicant

Seiko Epson

Toyoshina office
6925 Tazawa, Toyoshina
Azumino-shi, Nagano
399-8285 JAPAN

Report No.: ST106632C-A

Version 1.2 of 2026-10-20

Certification Body

TÜV SÜD Product Service GmbH

Ridlerstraße 65
80339 München

This report may be represented only in full wording. The use for promotion needs written permission. This report contains the result of a unique investigation of the product being tested and places no generally valid judgment about characteristics out of the running fabrication. Official translations of this technical report are to be authorised by the test and certification body.

Template: TR_RA_F_04.07 Rev. 26

Internal

Table of Contents page

1 Safety-Certified Components 4
2 Supported safety functions 5
3 Software 6
4 Hardware 7

List of Tables

page

Table 1: Modification history 3
Table 2: Supported safety functions 5
Table 3: SW Identification of Safety board 6
Table 4: HW Identification of Safety board 7

Modification History

Rev.	Status	Date	Author	Modification / Description
1.0	replaced	2026-03-17	Jérôme Obadia	intial
1.01	replaced	2026-03-24	Jérôme Obadia	Correction based on customer feedback
1.1	replaced	2026-08-05	Jérôme Obadia	Correction based on customer feedback linked to SEP 017 717534537 Include Table 3 and Table 4
1.2	active	2026-10-20	Jérôme Obadia	Update based on SEP019 717535479 Table 2 updated with R133D and R137C

Table 1: Modification history

1 Safety-Certified Components

The following variants are covered by Certificates Z10 099278 0008 Rev. 02
Z10 099278 0012 Rev. 03, and the report to the certificate, report no. ST106632C.

The following system components are certified ‘safety-related’. This allows the components to be used to process safety critical signals and functions.

2 Supported safety functions

The Safety board assessed can be combined with below listed robot controller boards:

Robot controller series	Robot controller type	Safe Board	SW version	Safe functions (PL / SIL)									
				SLS (d / 2)	SLP d / 2)	STO d / 2)	SS1-t/-r (d / 2)	SDOut[1] (d / 2)	SDIn[2] (d / 2)	EMG[3] (d / 2)	EN switch[4] (d / 2)	Reserved	Reserved
RC700-E	R114A	5889 SAFE	Rel.02.00.00.0033	✔	✔	✔	✔	✔	✔	✔	✔		
	R114B												
	R114D												
	R114E												
RC800-A	R131A	9054 SAFE	Rel.02.01.00.0009	✔	✔	✔	✔	✔	✔	✔	✔		
	R131B												
	R132A												
	R136B												
	R131C	3609 SAFE	Rel.02.03.00.0018	✔	✔	✔	✔	✔	✔	✔	✔		
	R133A												
	R133C												
	R133D												
	R135A												
	R135B												
	R136A												
RC800-L	R137A	3609 SAFE	Rel.02.03.00.0018	✔	✔	✔	✔	✔	✔	✔	✔		
	R137B												
	R137C												

Table 2: Supported safety functions

[1] Safety related outputs (3 dual channel outputs, safe state OFF)

[2] Safety related inputs (5 dual channel inputs)

[3] EMG Stop (2 dual channel EMG stop switches)

[4] Enable switch

3 Software

The Safety board tested is identified by software version as follows:

Safe Board Name	Date	SW version	Remarks
5889 SAFE	2022-09 2023-09-29	Rel.02.00.00.0031 Rel.02.00.00.0033	
9054 SAFE	2024-03-22	Rel.02.01.00.0009	
3609 SAFE	2024-05-15 2025-04-24	Rel.02.03.00.0013 Rel.02.03.00.0018	

Table 3: SW Identification of Safety board

4 Hardware

Board Name	Date	HW version	Remarks
RC700-C DPB	2021-04-09	00	
RC700-E 5889 SAFE	2022-08-04	00	
RC800-A 9054 SAFE	2023-09-22	00	
RC800-A DPU	2023-09-22	00	
RC800-A 3609 SAFE	2023-09-22	00	
RC700-E SUB-B	2022-07-29	01	

Table 4: HW Identification of Safety board

Christian
Dirmeier
2026.10.29
18:04:39
+01'00'

Technical Certifier