



Product Service

# CERTIFICATE

No. B 099278 0014 Rev. 02

**Holder of Certificate:** Seiko Epson Corporation  
Toyoshina office  
6925 Tazawa, Toyoshina  
Azumino-shi, Nagano  
399-8285 JAPAN

**Certification Mark:**



**Product:** Industrial Robot  
SCARA Robot

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 735011046-02

**Valid until:** 2030-12-01

**Date,** 2025-12-08

( Shigehisa Ishikawa )



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Model(s): Industrial Robot: LS50-C, LS20-C, LS8-C, LS4-C, LA6-A, LA3-A  
Robot Controller: R133C, R133A, R137A

## Nomenclature: Industrial Robot

LS 50 - C     
a b c

LS50-C:LS series 50kg payload robots

### a: Arm length

A0: 1000 mm

### b: Axis#3 stroke

2: 210 mm  
4: 400 mm

### c: Environment

S: Standard (equivalent to IP20)

## Industrial Robot

LS 20 - C     
a b c

LS20-C:LS series 20kg payload robots

### a: Arm length

A0: 1000 mm  
80: 800mm

### b: Axis#3 stroke

4: 420 mm(390mm)\*  
\*The length of the Axis#3 is 420mm, but in the case of the clean type with the bellows option, the actual movable range is 390mm.

### c: Environment

S: Standard (equivalent to IP20)  
C: Clean

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## Industrial Robot

LS 8 - C     
a b c

LS8-C:LS series 8kg payload robots

### a: Arm length

50: 500 mm  
60: 600 mm  
70: 700 mm

### b: Axis#3 stroke

2: 200 mm(170 mm)\*  
\* The length of the Axis#3 is 200mm, but in the case of the clean+ESD type with the bellows option, the actual movable range is 170mm.

### c: Environment

S: Standard (equivalent to IP20)  
C: Clean+ESD

## Industrial Robot

LS 4 - C     
a b c

LS4-C:LS series 4kg payload robots

### a: Arm length

40: 400 mm

### b: Axis#3 stroke

1: 150 mm(120 mm)\*  
\* The length of the Axis#3 is 150mm, but in the case of the clean+ESD type with the bellows option, the actual movable range is 120mm.

### c: Environment

S: Standard (equivalent to IP20)  
C: Clean+ESD

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Industrial Robot

LA 6 - A  $\frac{\square}{a}$   $\frac{\square}{b}$   $\frac{\square}{c}$  - C1

LA6-A:LA series 6kg payload robots

**a: Arm length**

50:	500 mm
60:	600 mm
70:	700 mm

**b: Axis#3 stroke**

2:	200 mm(170 mm)*
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\* The length of the Axis#3 is 200mm, but in the case of the clean type with the bellows option, the actual movable range is 170mm.

**c: Environment**

S:	Standard (equivalent to IP20)
C:	Clean

Industrial Robot

LA 3 - A  $\frac{\square}{a}$   $\frac{\square}{b}$   $\frac{\square}{c}$  - C1

LA3-A:LA series 3kg payload robots

**a: Arm length**

40:	400 mm
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**b: Axis#3 stroke**

1:	150 mm(120 mm)*
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\* The length of the Axis#3 is 150mm, but in the case of the clean type with the bellows option, the actual movable range is 120mm.

**c: Environment**

S:	Standard (equivalent to IP20)
C:	Clean



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## Robot Controller

**R133**   
a

### a: Controller Type

A: RC800-A for LS8-C, LS4-C series  
C: RC800-A for LS50-C, LS20-C series

## Robot Controller

**R137**   
a

### a: Controller Type

A: RC800L for LA6-A, LA3-A series

## Parameters:

Rated Voltage:	AC 200 – 240 V, Single phase
Rated Current:	3.2A (R137A), 4.9A (R133A), 6.9 A (R133C)
Rated Frequency:	50/60 Hz
Protection class:	I
Overvoltage category:	II
Degree of Protection:	IP 20

### Remark:

When installing / inserting the equipment, all requirements of the mentioned test standard must be fulfilled.

**Tested according to:** EN ISO 10218-1:2011  
 EN ISO 12100:2010  
 EN ISO 13849-1:2015  
 EN ISO 13850:2015  
 EN 60204-1:2018  
 EN 61800-5-1:2007/A11:2021