

DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

DÉCLARATION D'INCORPORATION POUR LES QUASI-MACHINES

According to the Machinery Directive 2006/42/EC, Annex II, Part I, sector B for a partly completed machinery.
 En accord avec la directive machine 2006/42/CE, Annexe II, Partie I, Secteur B pour une quasi-machine.

Manufacturer /Fabricant:	SEIKO EPSON CORPORATION	www.epson.com	
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Representative /Représentant:	EPSON EUROPE B.V.	www.epson.eu	
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Declares under our sole responsibility that the product:
 Déclare sous notre seule responsabilité que le produit :

Brand Name /Nom de la marque:	EPSON	
Product Name /Nom du produit:	Industrial Robot	
Model /Model:	LS-B series robots With RC90-B controller	(Serial number L*****0001 - L*****9999) (Serial number R9W***0001 - R9W***9999) <Note> * : 0 - 9, A - Z

For more details, please refer to the product description
 Pour plus de détails, merci de vous référer à la description du produit

Options /Options:

See Technical Data File

,fulfil(s) the basic requirements of the Machinery Directive 2006/42/EC as listed in the attachment to this declaration of incorporation.
 ,rempli les conditions de base de la directive machine 2006/42/CE comme décrit dans le document joint de déclaration

The manufacturer undertakes to electronically supply the relevant technical documentation, referred to in Annex VII part B for the partly completed machinery, to national authorities upon reasoned request.

La fabricant s'engage à fournir électroniquement la documentation technique pertinente aux autorités Nationales sur demande motivée, selon l'annexe VII Partie B pour les Quasi-machines.

This partly completed machine must not be put into service until the machinery into which it is to be incorporated, has been declared in conformity with the provisions of the Machinery Directive.

La quasi-machine ne doit pas être mise en service tant que l'équipement d'incorporation n'aura pas été déclarée conforme aux dispositions de la directive machine.

Furthermore this partly completed machinery fulfils all relevant provisions of the directive:

En outre, cette quasi-machine remplit toutes les dispositions pertinentes de cette directive:

- Electromagnetic Compatibility (EMC) 2014/30/EU
- Restriction of the use of certain hazardous substances (RoHS)2011/65/EU (except options)

Following harmonized norms and specifications are applied:

L'harmonisation des normes et des spécifications suivantes sont appliquées :

EN 55011	2016/A1:2017/A11:2020
EN 61000-6-2	2005
EN ISO 12100	2010
EN ISO 10218-1	2011
EN ISO 13849-1	2015
EN ISO 13850	2015
EN 60204-1	2018
EN IEC 63000	2018

Supplementary Information /Information supplémentaire

The year in which the CE marking was affixed, is

2019

L'année où le marquage CE a été apposé, est 2019

1st Nov. 2023

Nagano-ken, Japan

Ozawa hiroyuki

Hiroyuki Ozawa
 MS CS Quality Assurance Department
 General Manager
 SEIKO EPSON CORPORATION

Declared based on "Technical Data File, 1st Nov. 2023 "

Déclaration basée sur le "Technical Data File, 1st Nov. 2023 "



Annex to declaration of incorporation of partly completed machinery

for following product(s):

Product Name:	Model:	
Industrial Robot / Robot Controller	LS-B series robots With RC90-B controller	(Serial number L****0001 – L****9999) (Serial number R9W***0001 - R9W***9999) <Note> * : 0 - 9, A - Z

The following basic requirements of the **Machinery Directive 2006/42/EC** are applied and will be adhered. Appropriate items to be marked “X”.

The Machinery Directive 2006/42/EC, Annex I The Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1 - Essential health and safety requirements relating to the design and construction of machinery	Applicable and adhered C :Conform NC:Not conform NA:Not applicable
1. Essential health and safety requirements	-
1.1. General	-
1.1.1. Definitions	-
1.1.2. Principles of safety integration	C
1.1.3. Materials and products used	C
1.1.4. Integral lighting	NA
1.1.5. Handling of machinery and parts of machinery	C
1.1.6. Ergonomic principles	C
1.1.7. Operating positions in hazardous environments	NA
1.1.8. Seating and the provision of seats	NA
1.2. Control systems	-
1.2.1. Safety and reliability of control systems	C
1.2.2. Control devices	C
1.2.3. Control of starting	C
1.2.4. Stop control devices	-
1.2.4.1. Normal stop control devices	C
1.2.4.2. Operational stop	C
1.2.4.3. Emergency stop devices	C
1.2.4.4. Stop controls for assemblies of machinery	C
1.2.5. Mode Selection	C
1.2.6. Failure of the power supply	C
1.3. Protection against mechanical hazards	-
1.3.1. Stability	C
1.3.2. Break-up during operation	C
1.3.3. Falling or ejected objects	C
1.3.4. Sharp edges and angles and rough surfaces	C
1.3.5. Combined machinery	NA
1.3.6. Variations in operating conditions	NA
1.3.7. Moving parts	C
1.3.8. Moving parts	NA
1.3.8.1. Moving transmission parts	NA
1.3.8.2. Moving parts involved in the process	NA

The Machinery Directive 2006/42/EC, Annex I The Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1 - Essential health and safety requirements relating to the design and construction of machinery	Applicable and adhered C :Conform NC:Not conform NA:Not applicable
1.3.9. Uncontrolled movements	C
1.4. Required characteristics of guards and protective devices	-
1.4.1. General requirements for guards and protective devices	NA
1.4.2. Special requirements for guards	-
1.4.2.1. Fixed guards	NA
1.4.2.2. Interlocking movable guards	NA
1.4.2.3. Adjustable guards restricting access	NA
1.4.3. Protective devices	NA
1.5. Risks due to other hazards	-
1.5.1. Electricity	C
1.5.2. Unwanted static electricity	C
1.5.3. Energy supply other than electricity	NA
1.5.4. Errors of fitting	C
1.5.5. Extreme temperatures	NA
1.5.6. Fire	C
1.5.7. Explosion	NA
1.5.8. Reduction of noise emission	C
1.5.9. Vibrations	C
1.5.10. Ionising and non-ionising radiation	C
1.5.11. External radiation	C
1.5.12. Laser radiation	NA
1.5.13. Emissions of hazardous materials and substances	NA
1.5.14. Risk of being trapped	NA
1.5.15. Slips, trips and falls	NA
1.5.16. Lightning	C
1.6. Maintenance	-
1.6.1. Maintenance	C
1.6.2. Access to operating positions and servicing points	C
1.6.3. Isolation of energy sources	C
1.6.4. Operator interventions	C
1.6.5. Cleaning of internal parts	NA
1.7. Information	-
1.7.1. Information and warnings / language	C
1.7.1.1. Information and information devices	C
1.7.1.2. Warning devices	NA
1.7.2. Warning of residual risks	C
1.7.3. Marking of machinery	C
1.7.4. Instructions	C
1.7.4.1. General guideline for instructions	C
1.7.4.2. Instruction's content	C

The Machinery Directive 2006/42/EC, Annex I The Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1 - Essential health and safety requirements relating to the design and construction of machinery	Applicable and adhered C :Conform NC:Not conform NA:Not applicable
1.7.4.3. Sales literature	C
2. Supplementary essential health and safety requirements for certain categories of machinery	NA
3. Supplementary essential health and safety requirements to offset hazards due to the mobility of machinery	NA
4. Supplementary essential health and safety requirements to offset hazards due to lifting operations	NA
5. Supplementary essential health and safety requirements for machinery intended for underground work	NA
6. Supplementary essential health and safety requirements for machinery presenting particular hazards due to the lifting of persons	NA

EPSON

Annex to manipulator type

The model numbers of the LS-B series manipulator are shown below.

The robots are divided into several type depend on the arm length, the size of mechanical components used on each axis and the purpose (for the use in clean room).

LS 3 - B 40 1 S = V1
 a b c d e f

a	: Series name	LS	
b	: Payload	3	: 3kg
		6	: 6kg
		10	: 10kg
		20	: 20kg
		50	: 50kg
c	: Arm length	40	: 400mm
		50	: 500mm
		60	: 600mm
		70	: 700mm
		80	: 800mm
		A0	: 1000mm
d	: Axis#3 stroke	0	: None
		1	: 150mm (Standard)
		1	: 120mm (Clean)
		2	: 200mm (Standard)
		2	: 170mm (Clean)
		3	: 300mm (Standard)
		3	: 270mm (Clean)
		4	: 420mm (Standard)
		4	: 400mm (LS50-BA04S only)
		4	: 390mm (Clean)
e	: Environment	S	: Standard
		C	: Clean
f	: Variation		: None
		Vn	Variation pattern n