



## Labkotec LCJ1-SK4 Cable Connector Instructions

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### Labkotec LCJ1-SK4 Cable Connector Instructions



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## OPERATING INSTRUCTIONS CABLE CONNECTOR LCJ1-SK4

### GENERAL

This manual is part of the product.

- Read the manual before use.
- Store the manual for further use.
- Please report on any discrepancies in the manual to the manufacturer.

Labkotec reserves the right for changes of this manual due to continuous product development

## **SAFETY**

The operator of the system is responsible in terms of planning, mounting, commissioning, operating, maintenance and dismounting.

Assembly, commissioning, operation, maintenance and dismounting of any devices may only be carried out by trained, qualified personnel who have read and understood the operating instructions.

Laws, standards, or directives applicable to the intended use must be observed. In relation to explosive areas, Directive 2014/34/EU must be observed.

The devices are only approved for appropriate and intended use. Ignoring these operating instructions will void any warranty and absolve the manufacturer from any liability.

The devices must only be operated in the ambient temperature range specified.

## **DELIVERY, TRANSPORT AND STORAGE**

Check the packaging and contents for damage.

Check that the parts are all present and correct with respect to the order and shipping documents.

**Note** the permitted storage temperature in technical specifications

## **INTENDED USE**

Cable connector LCJ1-SK4 is designed to extend sensor cables in potentially explosive atmospheres, especially together with oil separator alarm devices

## **MOUNTING AND INSTALLATION**

Detailed connection diagrams are available in the operating instructions of sensors and control units.

**NOTE!** Despite degree of protection IP68, condensation can form in the device under conditions of high humidity and large temperature fluctuations. We therefore recommend that the inside of the cable connector be filled with gel or resin.

## **REPAIR AND MAINTENANCE**

The devices may not be repaired, changed or manipulated. If there is a defect, the product must always be replaced with an original part.

## **DISPOSAL**

Devices, packaging material, and possibly contained batteries must be disposed of in compliance with the applicable laws and guidelines of the corresponding country.

## **TECHNICAL DATA**

	LCJ1-SK4	
Dimensions	Ø 26,5 x 115 mm	
Weight	47 g	
Temperature	Ambient temperature: -40 ... +125 °C	
Protection	IP68	
Ex-classification	Simple apparatus according to IEC/EN 60079-11 (Intrinsic Safety i) Ex 1G Ex is IIA T4 GaUi = 30 V, li = 500 mA, Pi = 1 W, Ta = -40 °C ...+125 °C	
Components (see <b>Figure 1</b> )		
(1)	Housing	PA66 GF UL94 VO GWT 960°C
(2)	Terminal block	3-pole, core cross section 0,5-4,0 mm <sup>2</sup> PA66 GF UL94 VO GWT 960°C
(3)	Cable glands (* )	2 pcs, M20 x 1,5 PA66 UL94 V2 GWT 850°C
(4)	Seal (*)	2 pcs, TPE, for cable diameter 5-13,5 mm
(5)	O-rings (*)	2 pcs, silicone, 24 x 19,3 x 1,5 mm

**Figure 1. LCJ1-SK4 cable connector**



## CONFORMITY

## EU DECLARATION OF

We hereby declare that the product named below has been designed to comply with the relevant requirements of the referenced directives and standards.

**Product(s):** LC.11-SK4 cable connector for one sensor

### Manufacturer:

- Labkotec Oy
- Myllyhaantle
- 6 FI-33960 Oirkkala
- Finland

**Directives:** The product is in accordance with the following EU Directives

- 2010/30/EU Equipment for Potentially Explosive Atmospheres Directive (ATEX)

- 2011/65/EU Restriction of Hazardous Substances Directive (RoHS)

**Standards:** The following standards were applied:

**ATEX**

EN IEC 60079-0:2018

EN 60079-11:2012

The product is a simple apparatus according to EN 60079-11:2012 (Intrinsic Safety

**U. RoHS:**

EN IEC 63000:2018 The product is CE-marked since 2019.

**Signature** This declaration of conformity is issued under the sole responsibility of the manufacturer. Signed for and on behalf of Labkotec Oy.

Pirkkala 6.6.2021



Janne Uusinoka, CEO Labkotec Oy

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**Documents / Resources**

	<p><a href="#">Labkotec LCJ1-SK4 Cable Connector</a> [pdf] Instructions LCJ1-SK4 Cable Connector, LCJ1-SK4, Cable Connector, Connector</p>
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