



# When Indication is all you Need

## Alfa Laval Indication Units for LKB/LKLA - Inductive

### Concept

The indication units from Alfa Laval are designed as a simple and easy to use, electrical feedback unit for Laval butterfly valves. The units are compatible with all major PLC (Programmable Logic Controller with PNP/NPN interface) and used in food, dairy and brewery installations and in biopharmaceutical applications.

### Working principle

The inductive prox. switches are non-contact electronic switching elements. The output signal is always a digital signal (on/off).

These indication units are easily mounted without any further mechanical adjustments and have to be installed between the air operated actuator and the valve.



### TECHNICAL DATA

#### Communication

Electrical design . . . . . DC PNP  
Operating voltage . . . . . 10...36 V DC  
Output function . . . . . 2 x NO  
Current consumption . . . . . < 15 mA  
Current rating . . . . . 250 mA  
Electrical connection . . . . . M12 plug



### PHYSICAL DATA

#### Materials

Steel parts . . . . . Stainless steel  
Plastic parts . . . . . PBT; PC (polycarbonate)  
Contact pins . . . . . Gold-plated

#### Environment

Working temperature . . . . . -25 °C to +80 °C  
Protection rating . . . . . IP 67

#### Note!

Compatible brackets are available for the actuators and handles for LKB butterfly valves.

The M12 counterpart (Socket) connector are not a part of the indication unit package. The wiring and pinout on the M12 plug has changed, compared to the previous side indication units for LKB/LKLA

For further information: See also ESE001257

### Options

- Valve compatibility

### Accessories

- Various cable options

### Compatible actuators

LKLA ø85	Yes
LKLA ø133	Yes

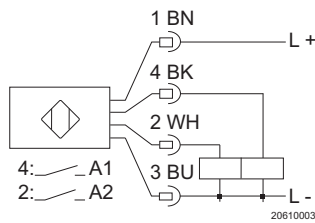
### Compatible Valves

LKB	Yes
LKB-2	Yes

### Electrical connection

Standard M12 Connection

Pin	Setup
1	Supply +
4	Closed: OUT + 1 (A1)
2	Open: OUT + 2 (A2)
3	Supply -



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### How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information direct.