



## When Indication is all you Need

### Alfa Laval Indication Units for LKB/LKLA - Micro switch

#### 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

A micro switch is a so called sub-miniature switch. It is activated mechanically by a roller leaf. Standard function is normally open (NO), normally closed (NC) and is always a digital signal (on/off).



#### TECHNICAL DATA

##### Communication

Interface . . . . . Digital, NO switch  
Supply voltage . . . . . 24-55 (110) VDC/VAC  
Minimum load . . . . . 100 mA  
Maximum load . . . . . 1 A  
Electrical connection . . . . . M12 plug, (incl counterpart)

"Note! As the unit is not earthed it should not be used for voltage exceeding 55 V"



#### PHYSICAL DATA

##### Materials

Steel parts . . . . . Stainless steel and Brass  
Plastic parts . . . . . PA6 and PPO/PS  
Seals . . . . . Nitrile (NBR) rubber  
Contact pins . . . . . Gold-plated

##### Environment

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

##### Cable connection

Counterpart . . . . . M12 socket  
Termination . . . . . Screw  
Max wire size . . . . . 0.129 mm<sup>2</sup> (AWG26)  
Cable gland entry . . . . . PG7 (3 - 6.5 mm)

##### Note!

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

For further information: See also ESE001257.

### Options

- Valve compatibility

### Accessories

- Various cable options

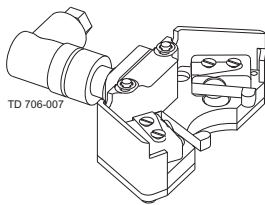
### Compatible actuators

LKLA $\varnothing$ 85	Yes
LKLA $\varnothing$ 133	Yes

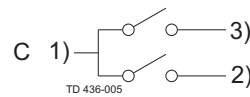
### Compatible Valves

LKB	Yes
LKB-2	Yes

### Electrical connection



- 3.  $\varnothing$ 3 closed valve
- 2.  $\varnothing$ 2 open valve



Alfa Laval reserves the right to change specifications without prior notification. ALFA LAVAL is a trademark registered and owned by Alfa Laval Corporate AB.

### 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.