

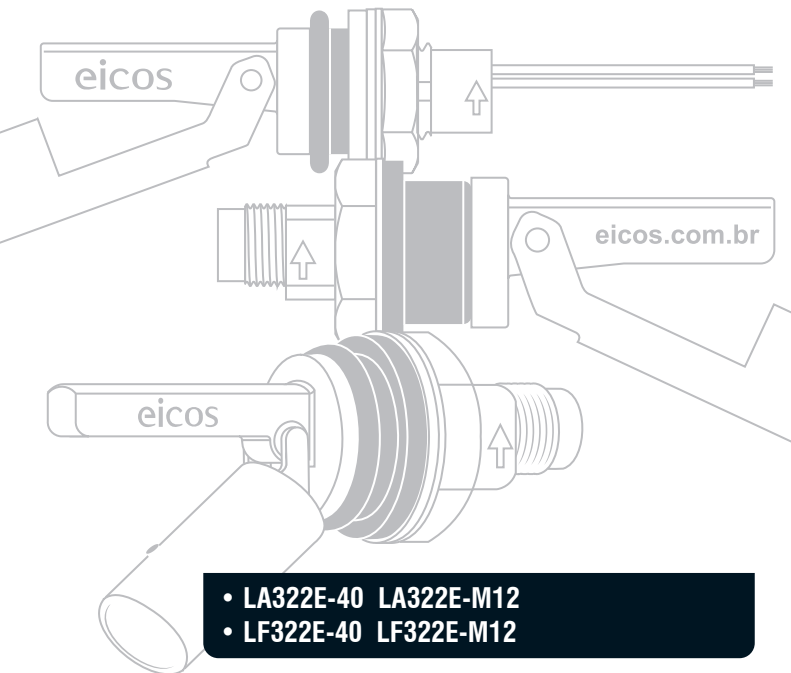
LEVEL SWITCHES

For liquids

eicos

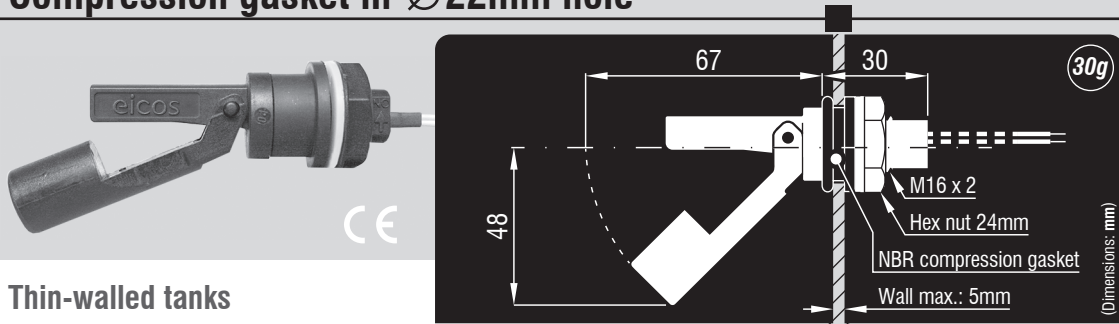
- External side mounting with compression gasket

Read before installing



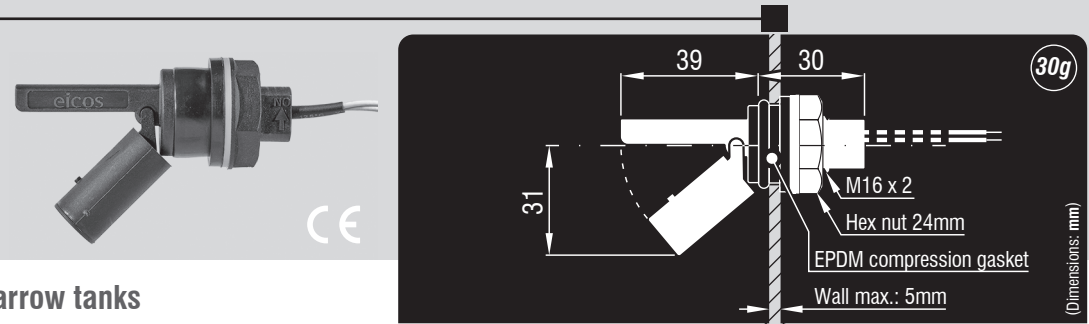
- LA322E-40 LA322E-M12
- LF322E-40 LF322E-M12

Compression gasket in Ø22mm hole



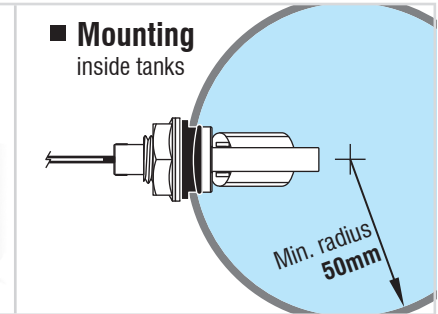
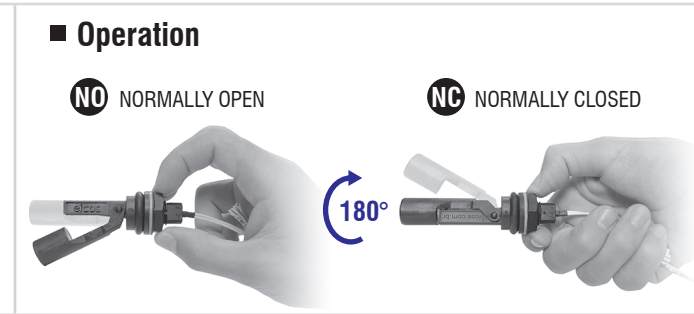
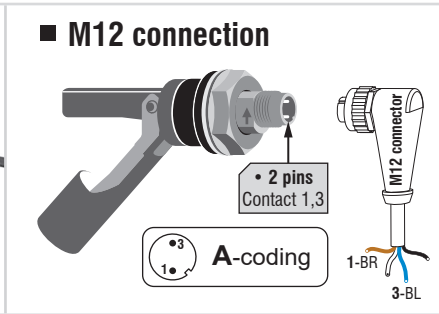
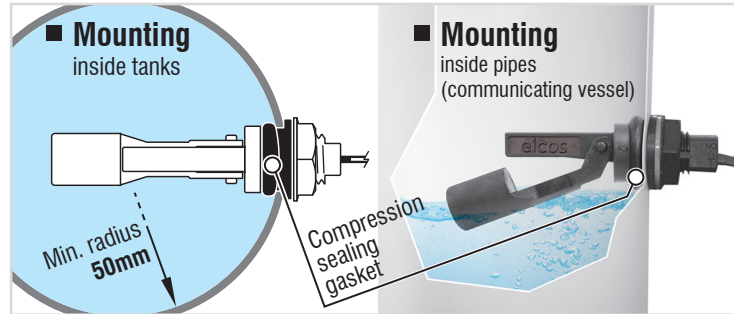
Thin-walled tanks

Technical Specifications	LA322E-40	LA322E-M12
Output connection	40cm cable	Male M12 plug
Material	PPA	PPA
Color	Black	Black
Operating temperature range	-10°C to 125°C	
Maximum operating pressure	2bar	
Liquid minimum density (SG)	0.7	
Sealing	NBR compression gasket	



Narrow tanks

Technical Specifications	LF322E-40	LF322E-M12
Output connection	40cm cable	Conector M12
Material	PPA	PPA
Color	Black	Black
Operating temperature range	-10°C to 125°C	
Maximum operating pressure	2bar	
Liquid minimum density (SG)	0.7	
Sealing	EPDM compression gasket	



Constructive materials

PPA Polyphthalamide (High mechanical and temperature resistance)
 PA Polyamide (hex nut)

- Electrical contact: reed switch 20W/VA;
- It detects increased or decreased level inside the tank.

Obs.: Female M12 connector **not** included, but it's available on our website.

AUXILIARY CONTACTOR (mini contactor)

Check the distances:



Direct connection
to the **sensor**

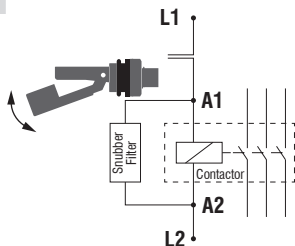
20m

Use **22R 5W**
resistor in series

40m

Use
24Vdc voltage

Typical connection to contactor



Switch **NO/NC - SPST**
Output **Contact ON/OFF**
Enclosure rating **IP66**

**Never connect the sensor to a motor, pump,
lamp or any load over than 20W.**

Always use a contactor or relay.

- See datasheets.eu.eicos.com for more information •

The sensors work in all voltage and current ranges displayed in the table below:

OPERATING VOLTAGE	MAX. SWITCHING POWER	MAX. SWITCHING CURRENT
110Vac	20VA	0.2A
220Vac	20VA	0.1A
5Vdc	2.5W	0.5A
12Vdc	5W	0.5A
24Vdc	10W	0.5A



- **24Vac:** Use with *Schneider relay coupler model RSLZVA1* or equivalent.
- **Relay coupler (110Vac-220Vac):** Use 4K7 10W resistor in series.

Term of Warranty

For installations according to this guide:

2 (two) years warranty. **INCORRECT INSTALLATION CANCELS THE WARRANTY!**
All sensors have been tested and approved during the manufacture process.

Chemical products require tests by the customer to verify compatibility with the constructive material of the sensor.

Liquids with ferrous particles require technical analysis: the sensor has magnetic component inside.