

LEVEL SWITCHES

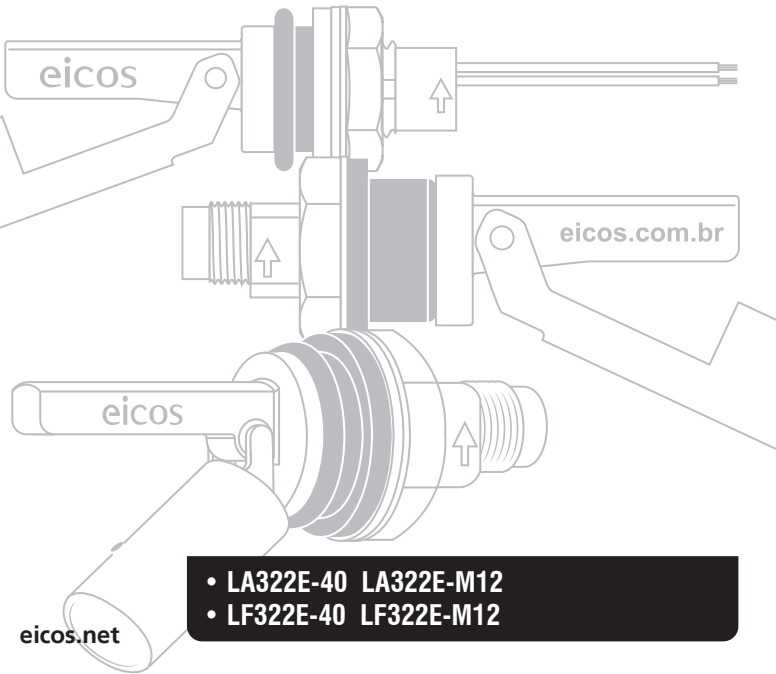
For liquids

eicos

External side mounting with compression gasket



Read before installing

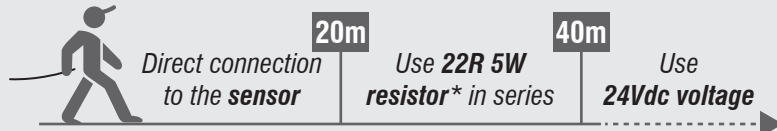


- LA322E-40 LA322E-M12
- LF322E-40 LF322E-M12

eicos.net

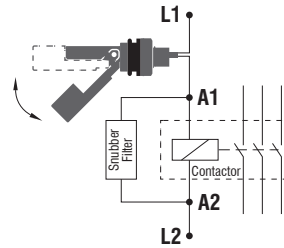
AUXILIARY CONTACTOR (mini contactor)

Check the distances:



*For sale on accessories.eicos.us

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.eicos.us 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	Peak current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

- **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.

Compression gasket in Ø 22mm hole

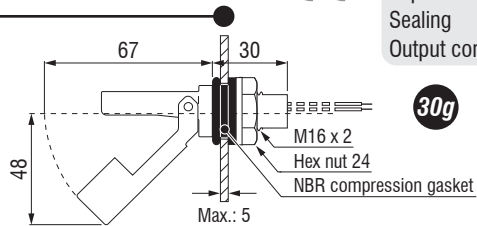
Thin-walled tanks



Technical specifications	LA322E-40	LA322E-M12
Constructive material	PPA	PPA
Color	Black	Black
Operating temperature range	-10°C to 125°C	-10°C to 125°C
Maximum operating pressure	2bar	2bar
Liquid minimum density (SG)	0.7	0.7
Sealing	NBR gasket	NBR gasket
Output connection	40cm cable	M12 connector

30g

(Dimensions: mm)



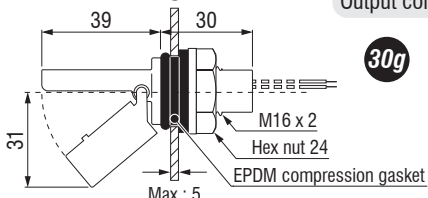
Narrow tanks



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

30g

(Dimensions: mm)



- Electrical contact: *reed switch 20W/VA*;
- External side mounting in Ø22mm hole;
- **NO** or **NC**, by rotating the sensor 180°;
- It detects increased or decreased level inside the tank.

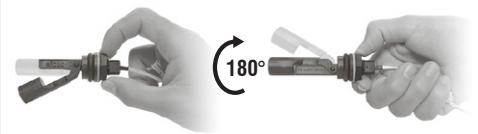
Constructive materials

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

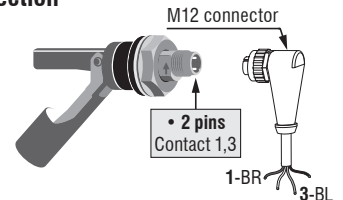
Operation

NO NORMALLY OPEN

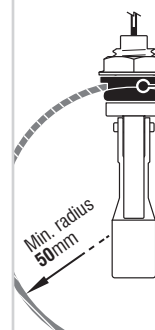
NC NORMALLY CLOSED



M12 connection



Mounting inside tanks



Mounting inside pipes (communicating vessel)

Compression sealing gasket

