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Level Switch for liquids
Internal side mounting on tank
through Ø16mm hole

Datasheet
B.02/Jan2017

LA16M-40

Material
POM - Polyacetal
(PA hex nut)

How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

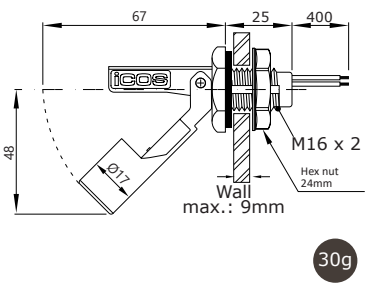
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 100ºC**
Liquid minimum density (SG)	**0.76**
Sealing	**NBR gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

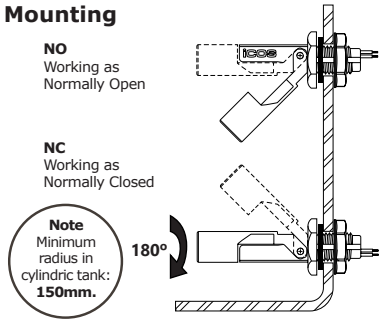
24Vac: NOT recommended

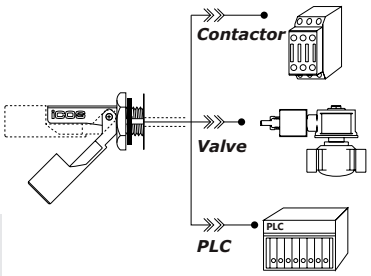
Dimensions (mm) and Weight



30g

Mounting

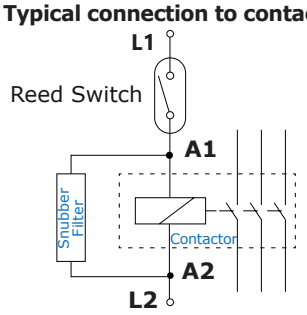




Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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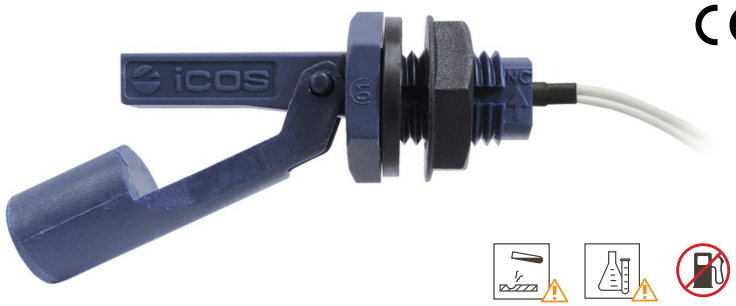
Level Switch for liquids
Internal side mounting on tank
through Ø16mm hole

Datasheet
B.02/Jan2017

LA26M-40

Material
PP - Polypropylene
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Not suitable for fuel.

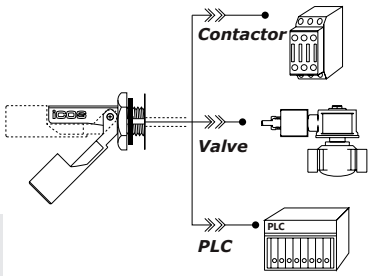
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 100ºC**
Liquid minimum density (SG)	**0.68**
Sealing	**NBR gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

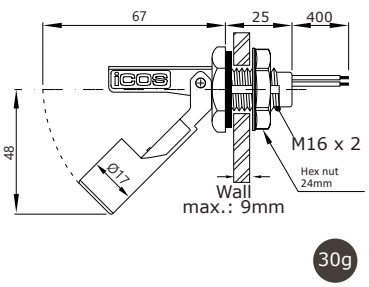
24Vac: NOT recommended



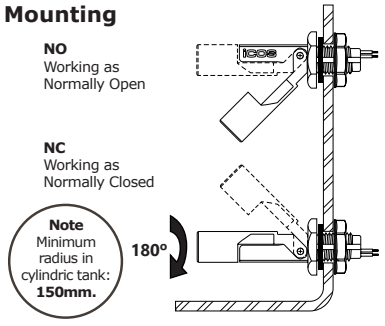
Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

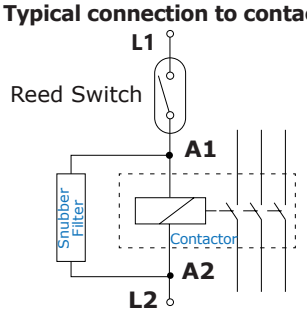
Dimensions (mm) and Weight



Mounting



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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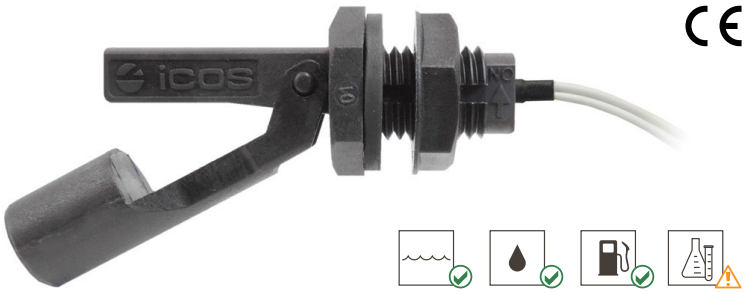
Level Switch for liquids
Internal side mounting on tank
through Ø16mm hole

Datasheet
B.02/Jan2017

LA36M-40

Material
PPA - Polyphthalamide
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

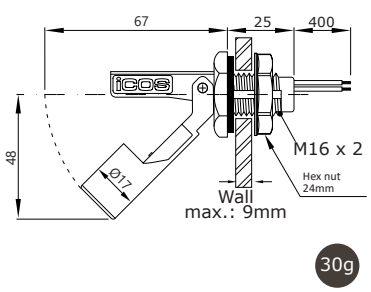
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**NBR gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

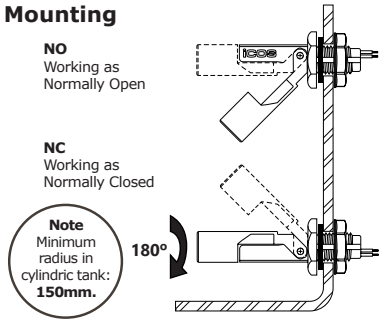
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

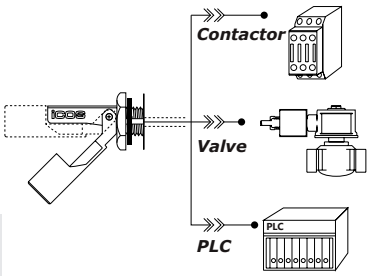
24Vac: NOT recommended

Dimensions (mm) and Weight



Mounting

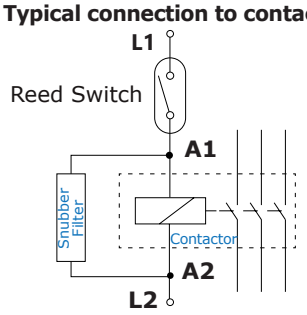




Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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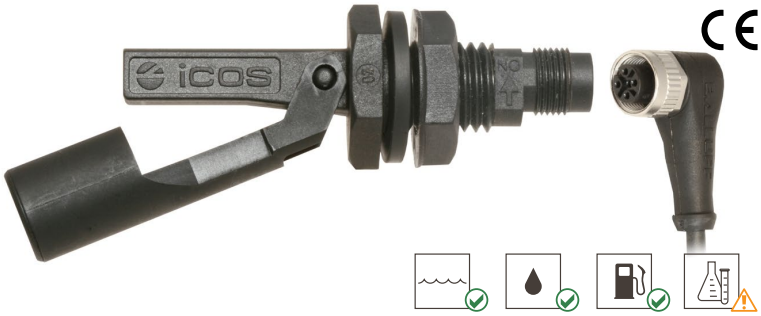
Level Switch for liquids
Internal side mounting through Ø16mm hole with sealing gasket and M12 output connection

Datasheet
B.02/Jan2017

LA36-M12

Material
PPA - Polyphthalamide
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

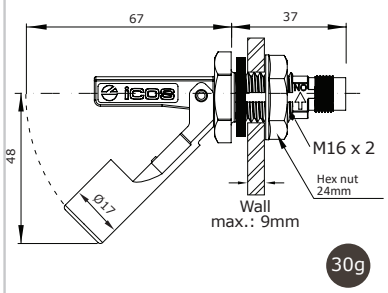
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**NBR gasket**
Output connection	**M12 male plug (2 pins)**
	M12 female connector NOT included
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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: NOT recommended

Dimensions (mm) and Weight

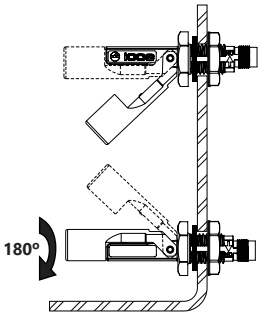


Mounting

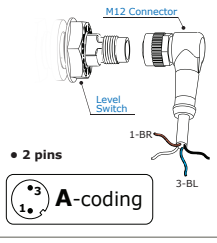
NO
Working as Normally Open

NC
Working as Normally Closed

Note
Minimum radius in cylindric tank: **150mm.**



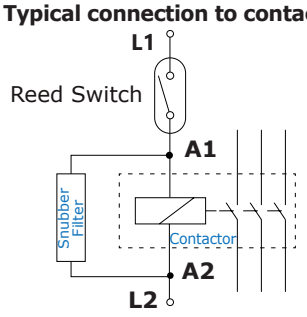
M12 Plug Sensors Installation



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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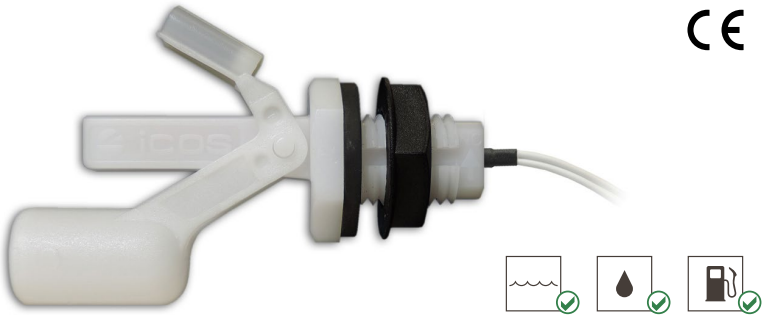
Level Switch for liquids
Internal side mounting in liquid surfaces through Ø16mm hole, for operation with fouling liquids

Datasheet
B.02/Jan2017

LB16M-40

Material
POM - Polyacetal
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally closed.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

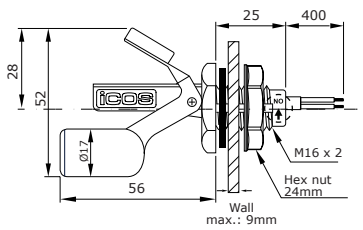
Operating temperature range	**-10ºC to 100ºC**
Liquid minimum density (SG)	**0.65**
Sealing	**NBR gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

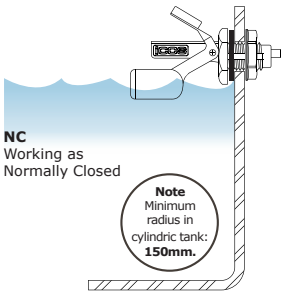
24Vac: NOT recommended

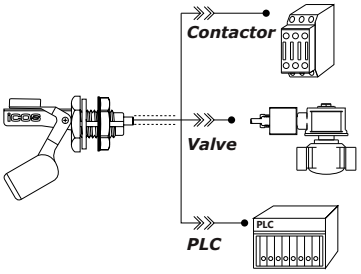
Dimensions (mm) and Weight



30g

Mounting on surface

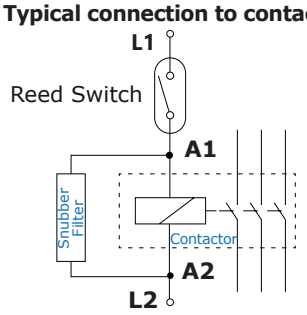




Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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Level Switch for liquids
Internal side mounting in liquid surfaces through Ø16mm hole, for operation with fouling liquids

Datasheet
B.02/Jan2017

LB26M-40

Material
PP - Polypropylene
(PA hex nut)

How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally closed.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Not suitable for fuel.

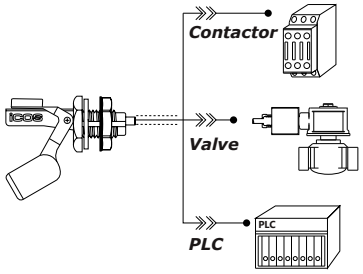
Technical specifications

Operating temperature range	**-10°C to 100°C**
Liquid minimum density (SG)	**0.64**
Sealing	**NBR gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

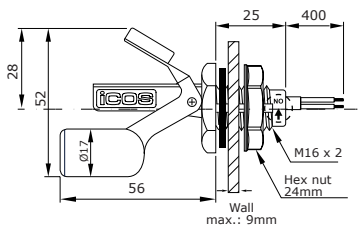
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

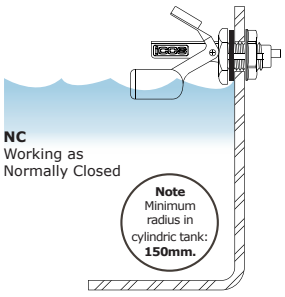
A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

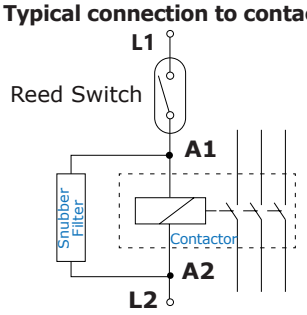


30g

Mounting on surface

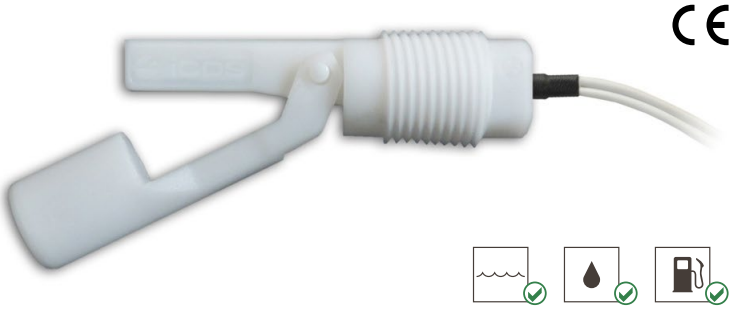


Typical connection to contactor



LA12N-40

Material
POM - Polyacetal



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

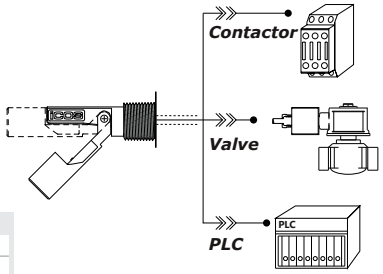
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 100ºC**
Liquid minimum density (SG)	**0.76**
Sealing	**Sealant tape**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

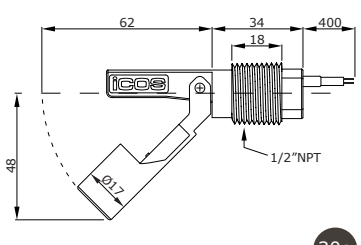
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

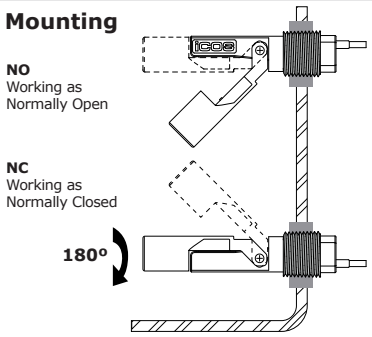
A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

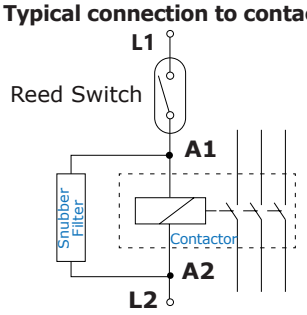


30g

Mounting

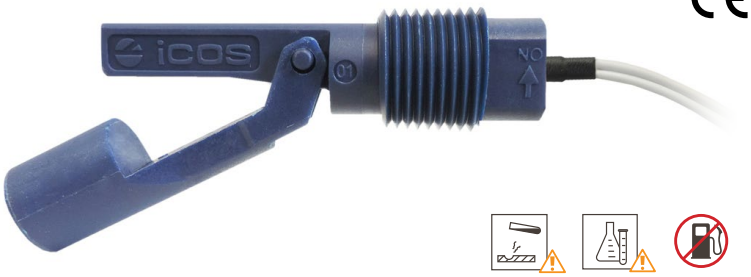


Typical connection to contactor



LA22N-40

Material
PP - Polypropylene



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Not suitable for fuel.

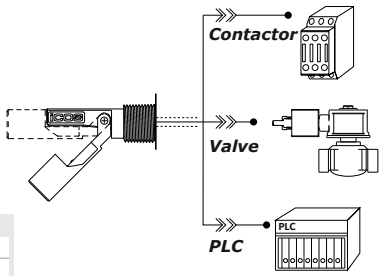
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 100ºC**
Liquid minimum density (SG)	**0.68**
Sealing	**Sealant tape**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

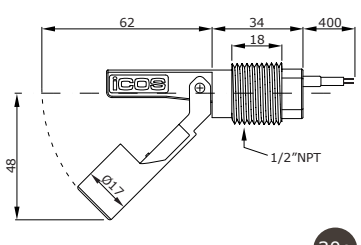
24Vac: NOT recommended



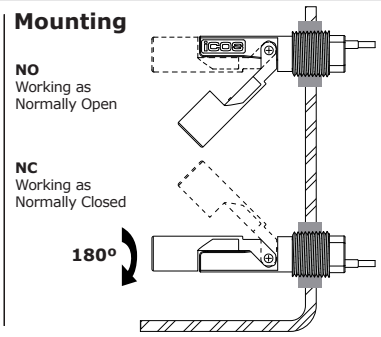
Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

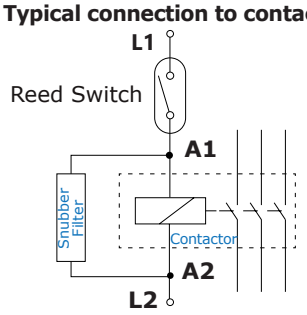
Dimensions (mm) and Weight



Mounting

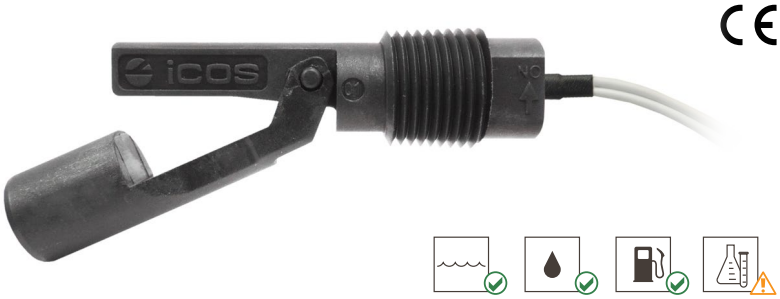


Typical connection to contactor



LA32N-40

Material
PPA - Polyphthalamide



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

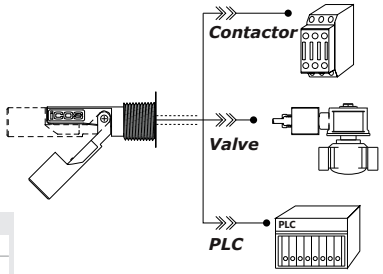
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**Sealant tape**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

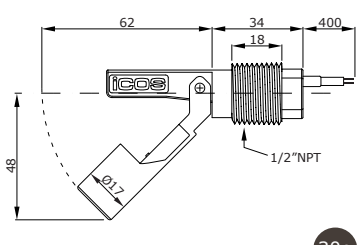
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

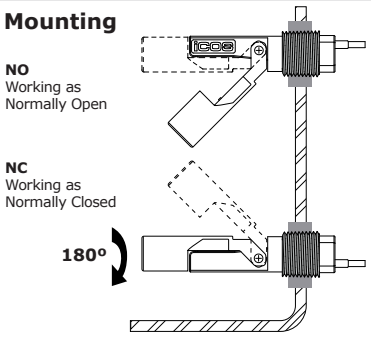
A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

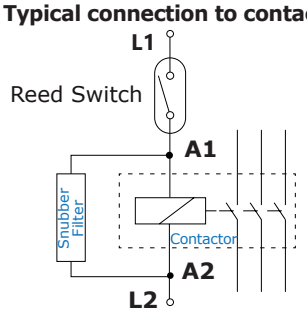


30g

Mounting



Typical connection to contactor



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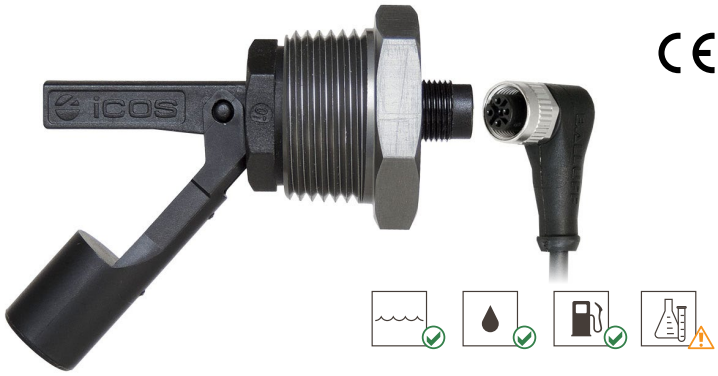
Level Switch for liquids
External side mounting in tank, with 1”NPT connector and M12 plug ouptput

Datasheet
B.03/Jan2017

LA31N-M12

Material
PPA - Polyphthalamide



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

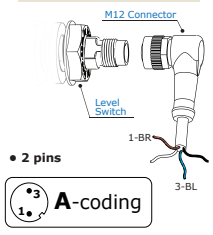
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**Sealant tape**
Output connection	**M12 male plug (2 pins)** **M12 female connector NOT included**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**
Mounting	**External side - 1”NPT Aluminum Connector**

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

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: NOT recommended

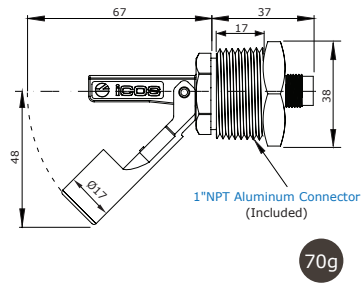
M12 Plug Sensors Installation



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

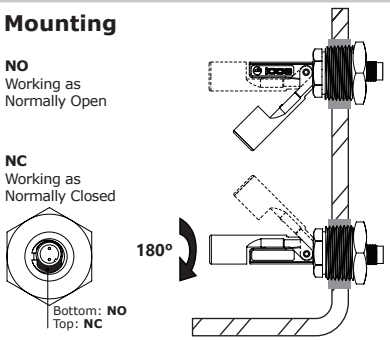
Dimensions (mm) and Weight



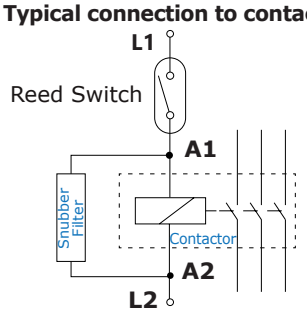
Mounting

NO
Working as Normally Open

NC
Working as Normally Closed



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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Flow Switches and Level Switches for liquids
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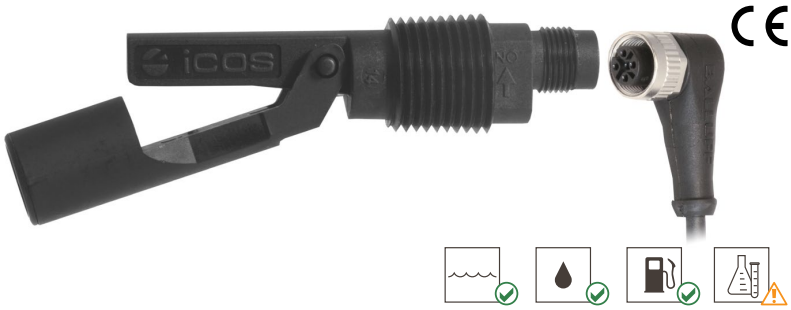
Level Switch for liquids
External side mounting in tank with 1/2"NPT thread and M12 plug output

Datasheet
B.02/Jan2017

LA32-M12

Material
PPA - Polyphthalamide



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

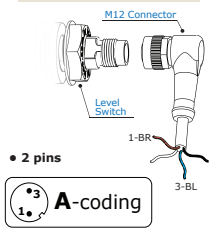
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**Sealant tape**
Output connection	**M12 male plug (2 pins)**
	M12 female connector NOT included
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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: NOT recommended

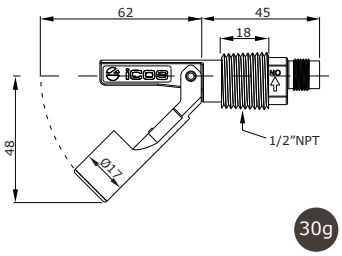
M12 Plug Sensors Installation



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

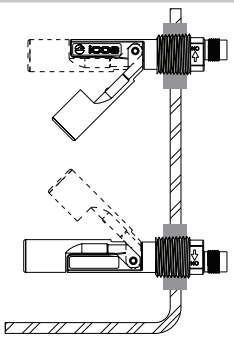


Mounting

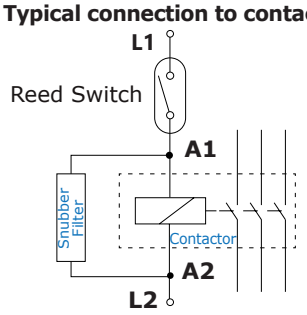
NO
Working as Normally Open

NC
Working as Normally Closed

180º



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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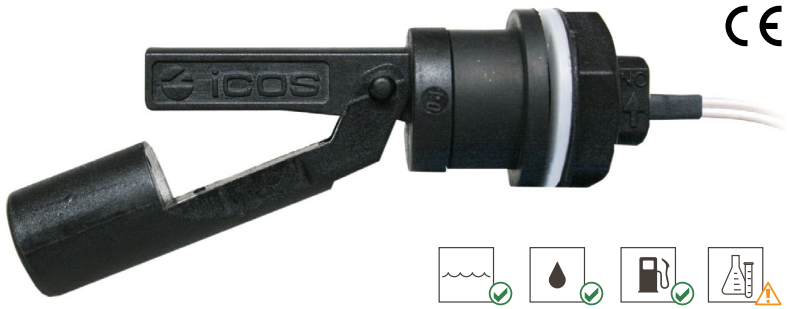
Level Switch for liquids
External side mounting with NBR **compression** gasket through Ø22mm hole

Datasheet
B.04/Jan2017

LA322E-40

Material
PPA - Polyphthalamide
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°;
- Mounting in thin wall tank or closed tanks;
- Detect level of liquids in pipes.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

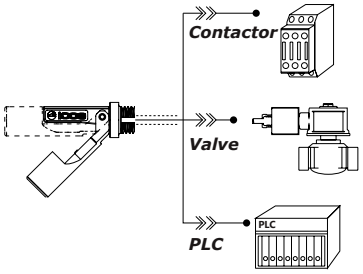
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**NBR compression gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

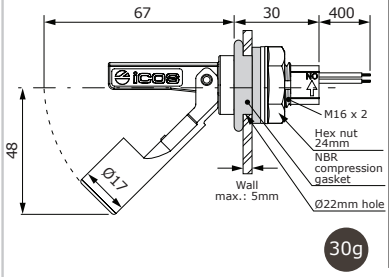
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

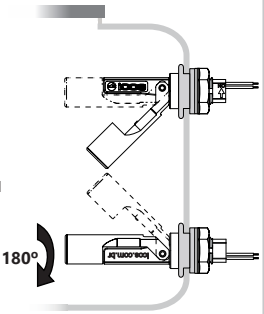


Mounting

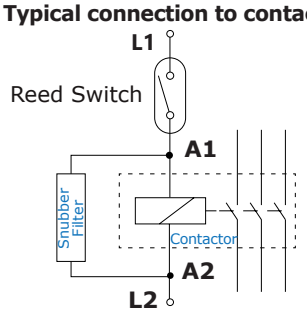
NO
Working as Normally Open

NC
Working as Normally Closed

Note
Minimum radius in cylindric tank: **50mm.**



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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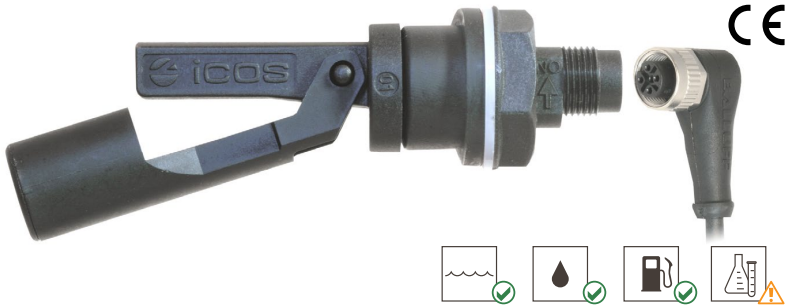
Level Switch for liquids
External side mounting through Ø22mm hole with **compression** gasket and M12 plug output

Datasheet
B.03/Jan2017

LA322E-M12

Material
PPA - Polyphthalamide
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°;
- Mounting in thin wall tank or closed tanks;
- Detect level of liquids in pipes.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

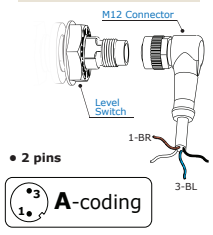
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**NBR compression gasket**
Output connection	**M12 male plug (2 pins)**
	M12 female connector NOT included
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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: NOT recommended

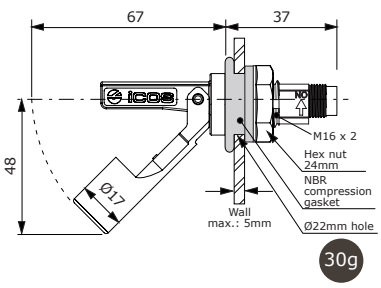
M12 Plug Sensors Installation



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

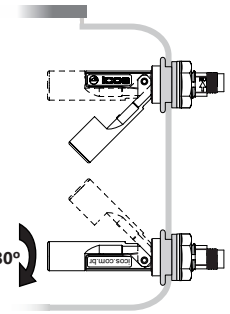


Mounting

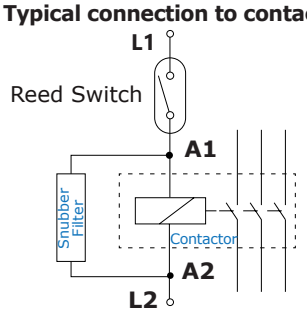
NO
Working as Normally Open

NC
Working as Normally Closed

Note
Minimum radius in cylindric tank: **50mm.**



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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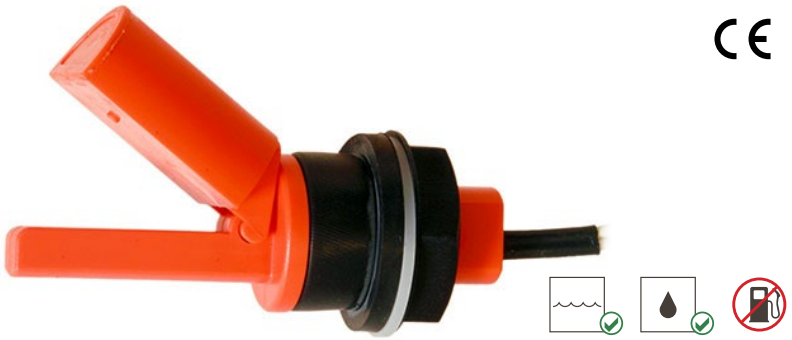
Flow Switches and Level Switches for liquids
Make it easy

Level Switch for liquids
External side mounting with NBR **compression** gasket through Ø22mm hole

Datasheet
B.03/Jan2017

LF122E-40

Material
POM - Polyacetal
(PA hex nut)



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°;
- Mounting in thin wall tank or closed tanks;
- Detect level of liquids in pipes and coolant expansion tanks.

Typical applications
- Tank liquid level control;
- Water level monitoring for radiator coolant reservoirs.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Not suitable for fuel.

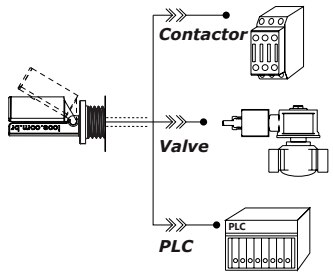
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 100ºC**
Liquid minimum density (SG)	**0.85**
Sealing	**NBR compression gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

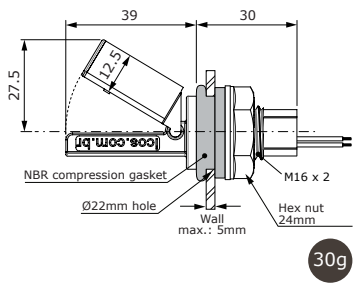
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight



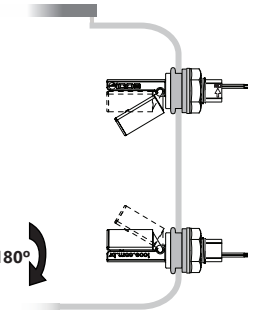
Mounting

NO
Working as Normally Open

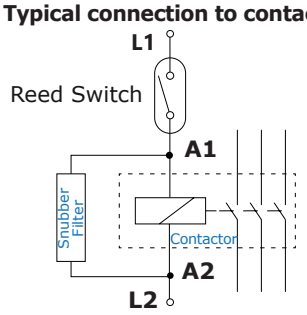
NC
Working as Normally Closed

Note
Minimum radius in cylindric tank: **50mm.**

180º



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

Click and Check:
Models and Prices | **Datasheets** | **Operation Videos**

Flow Switches and Level Switches for liquids
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Level Switch for liquids
External side mounting through Ø22mm hole with **compression** gasket and M12 plug output

Datasheet
B.01/Mar2017

LF322E-M12

Material
PPA - Polyphthalamide
(PA hex nut)

CE

How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°;
- Mounting in thin wall tank or closed tanks;
- Detect level of liquids in pipes and small storage tanks.

Typical applications
- Tank liquid level control;
- For narrow water tanks and thin-walled containers.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Technical specifications

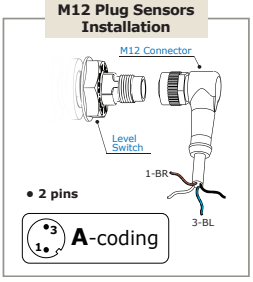
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.66**
Sealing	**NBR compression gasket**
Output connection	**M12 male plug (2 pins)**
	M12 female connector NOT included
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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: NOT recommended

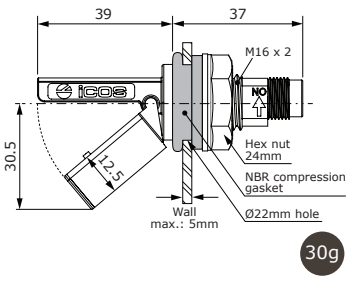
M12 Plug Sensors Installation



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight



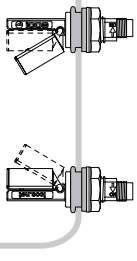
Mounting

NO
Working as Normally Open

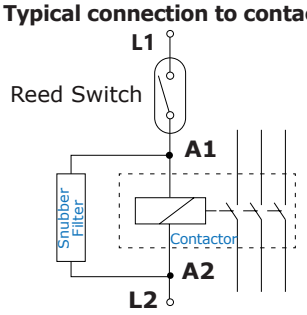
NC
Working as Normally Closed

Note
Minimum radius in cylindric tank: **50mm.**

180º



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

Click and Check:
Models and Prices | **Datasheets** | **Operation Videos**

Flow Switches and Level Switches for liquids
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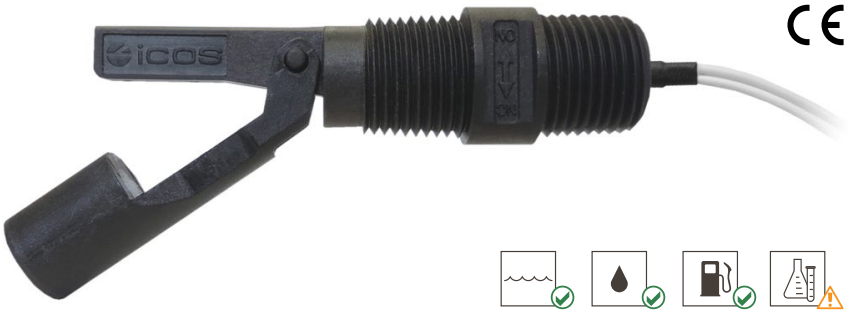
Level Switch for liquids
External side mounting - 1/2"NPT thread,
with thread for conduit or connection head

Datasheet
B.02/Jan2017

LA32N2-40

Material
PPA - Polyphthalamide



How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

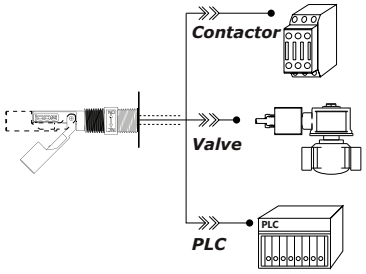
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 125ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**Sealant tape**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

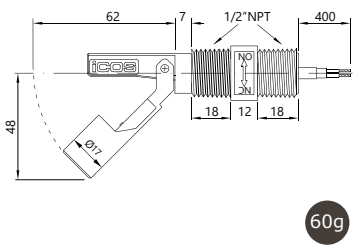
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

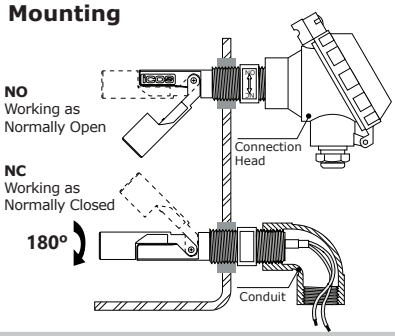
A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

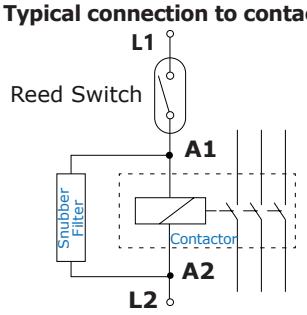


60g

Mounting



Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

Click and Check:
Models and Prices | **Datasheets** | **Operation Videos**

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LA32NP

Material
PPA - Polyphthalamide

How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- On/Off SPST output;
- Operation can be normally open or normally closed, by rotating the switch 180°.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

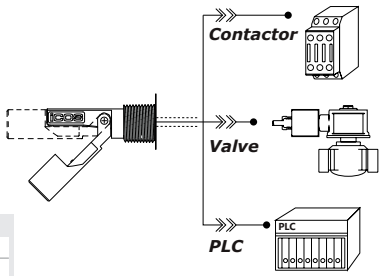
Technical specifications

Maximum operating pressure	**2bar**
Operating temperature range	**-10°C to 125°C**
Liquid minimum density (SG)	**0.70**
Sealing	**Sealant tape**
Output connection	**DIN 43650 Conector - B**
Enclosure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

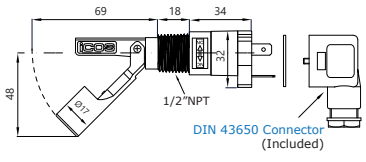
24Vac: NOT recommended



Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

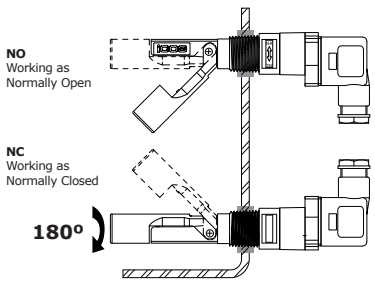
A series **resistor** must be installed.
Click and check how to install.

Dimensions (mm) and Weight

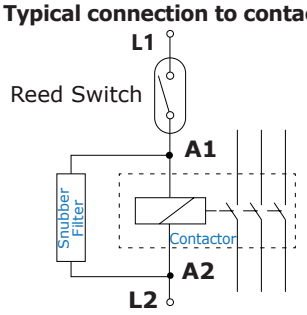


70g

Mounting



Typical connection to contactor



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Vertical Level Switch for liquids
Internal vertical mounting through Ø16mm hole, with 45mm length

Datasheet
B.03/Jan2017

LC26M-40

Material
PP - Polypropylene
(PA hex nut)

How it works Movement of the magnetic float opens/closes a hermetically sealed contact (reed switch).

Details
- Compact and low cost;
- On/Off SPST output;
- Work as normally open or normally closed, by inverting float position.

Typical applications
- Tank liquid level control;
- Pumps automation.

Chemical products *require preliminary tests to confirm compatibility.*

Liquid with ferrous particles *should be avoided.*

Not suitable for fuel.

Technical specifications

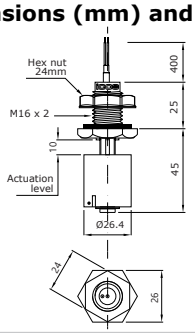
Maximum operating pressure	**2bar**
Operating temperature range	**-10ºC to 90ºC**
Liquid minimum density (SG)	**0.70**
Sealing	**NBR gasket**
Output connection	**Wire 2 x 0.5mm² x 40cm**
Enclousure rating	**IP66**
Electrical contact	**Reed Switch 20W/VA**

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

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

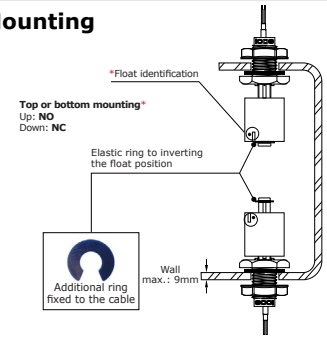
24Vac: NOT recommended

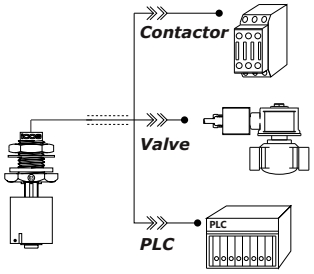
Dimensions (mm) and Weight



30g

Mounting

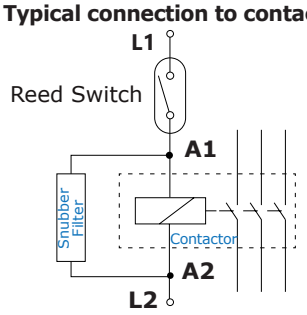




Important!
- For cables longer than 20 meters.
- Relay coupler, timing relay, frequency inverter.

A series **resistor** must be installed.
Click and check how to install.

Typical connection to contactor



level sensor | level switch | float level | float switch | magnetic level switch | liquid level controller

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Flow Switches and Level Switches for liquids
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