

FE14B02-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)	
Water	Oil 68 cSt @ 40°C
From ~0.2 to ~3.0	From ~0.01 to ~0.21

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

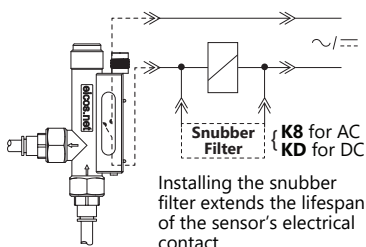
Internal clearance	4mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/4" female (BSP - Parallel)
Spring	AISI 304 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

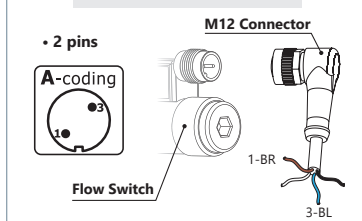
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

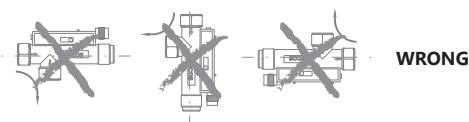
• Typical connection to contactor



M12 Plug Sensors Installation

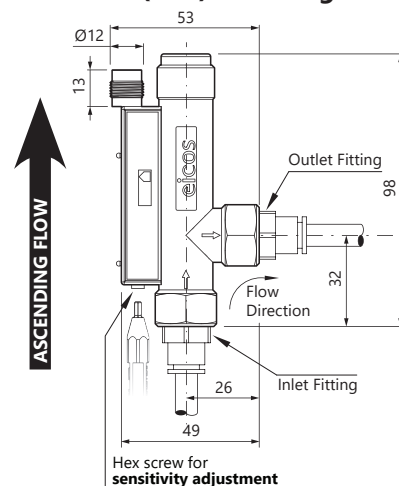


Mounting (Important!)



Dimensions (mm) and Weight

80g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

² For application in oil, recommended model **FE14B04-M12**.

FE14B04-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)	
Water	Oil 68 cSt @ 40°C
From ~0.4 to ~4.0	From ~0.01 to ~0.65

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels.



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

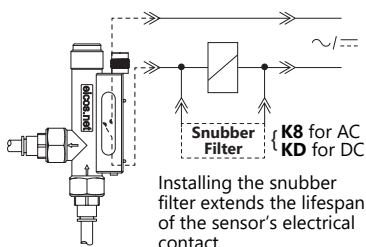
Internal clearance	4mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/4" female (BSP - Parallel)
Spring	AISI 304 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

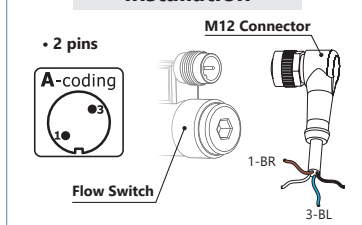
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

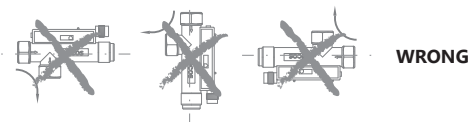
• Typical connection to contactor



M12 Plug Sensors Installation

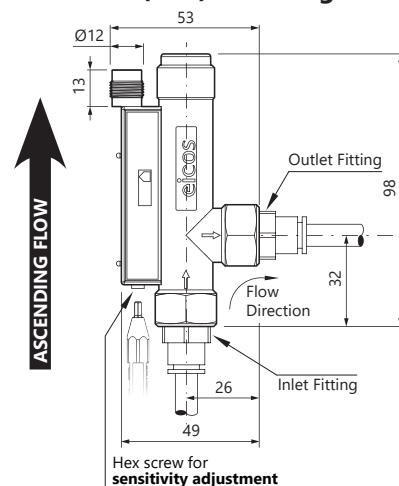


Mounting (Important!)



Dimensions (mm) and Weight

80g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

FA14B02-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)	
Water	Oil 68 cSt @ 40°C
From ~0.8 to ~5.0	From ~0.05 to ~0.50

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

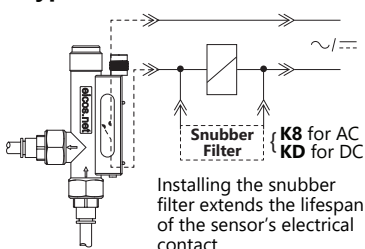
Internal clearance	8mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/4" female (BSP - Parallel)
Spring	AISI 304 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

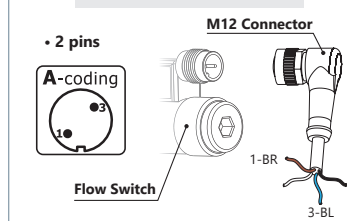
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

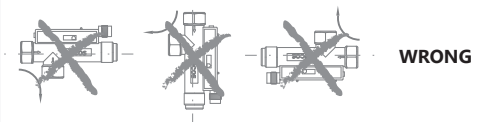
• Typical connection to contactor



M12 Plug Sensors Installation

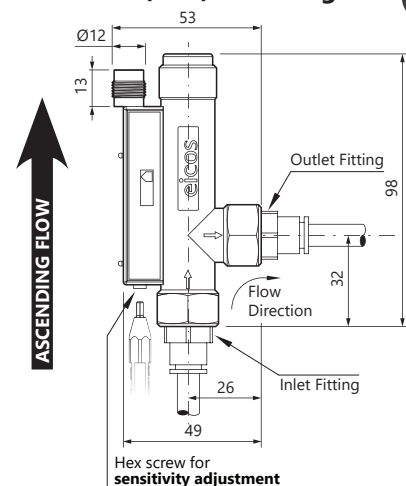


Mounting (Important!)



Dimensions (mm) and Weight

71g



Notes

- ¹ In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.
² For application in oil, recommended model **FA14B04-M12**.
For application in viscous oil, recommended model **FA14B06-M12**.

FA14B04-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)	
Water	Oil 68 cSt @ 40°C
From ~1.7 to ~7.0	From ~0.30 to ~6.0

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

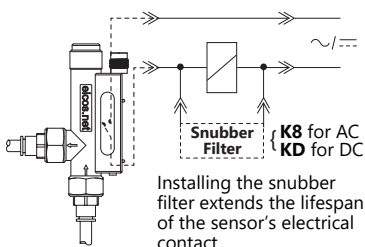
Internal clearance	8mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/4" female (BSP - Parallel)
Spring	AISI 304 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

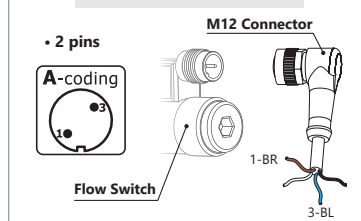
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

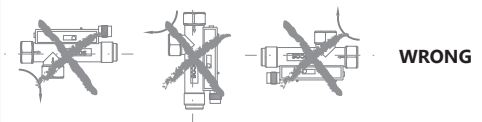
• Typical connection to contactor



M12 Plug Sensors Installation

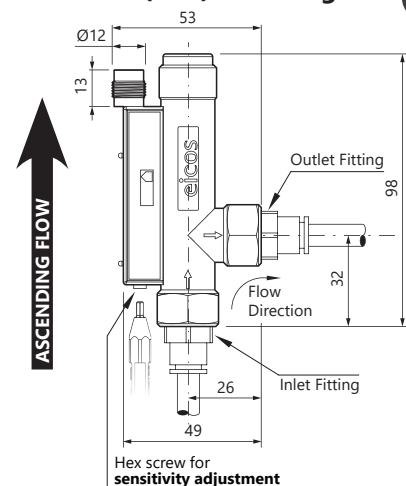


Mounting (Important!)



Dimensions (mm) and Weight

71g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

² For application in viscous oil, recommended model **FA14B06-M12**.

FA14B06-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)	
Water	Oil 68 cSt @ 40°C
From ~2.5 to ~8.0	From ~0.40 to ~0.70

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

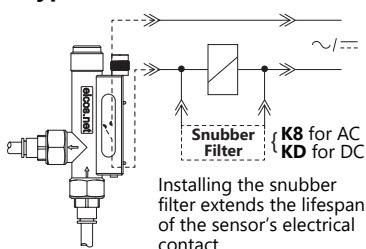
Internal clearance	8mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/4" female (BSP - Parallel)
Spring	AISI 304 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

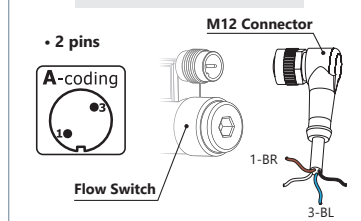
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

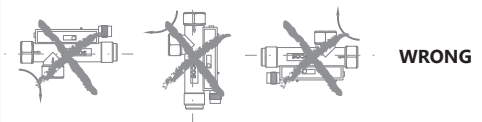
• Typical connection to contactor



M12 Plug Sensors Installation

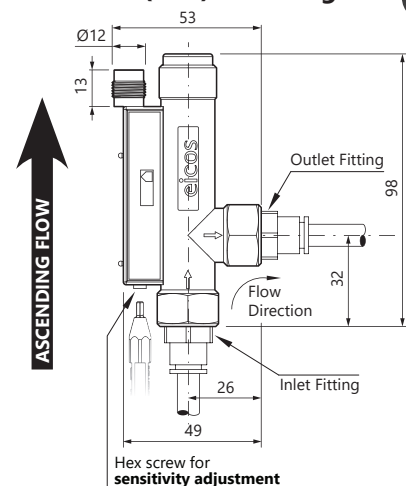


Mounting (Important!)



Dimensions (mm) and Weight

71g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

² For application in oil, also recommended model **FA14B04-M12**.

FH12B02-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~0.3 to ~17

Typical applications

- Lubrication and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids

- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

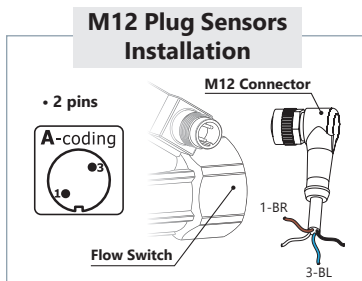
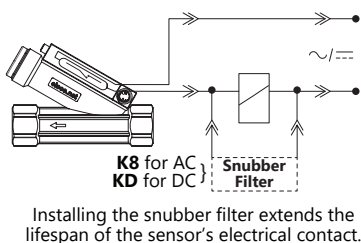
Internal clearance	114mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/2" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

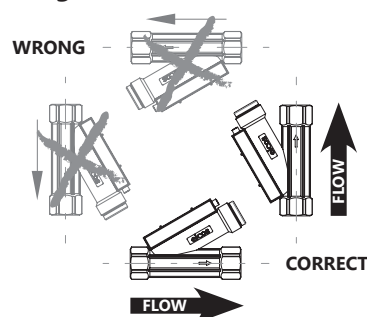
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

Typical connection to contactor

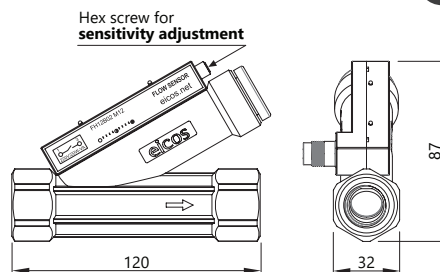


Mounting (Important!)



Dimensions (mm) and Weight

200g



Notes

- ¹ In water. Set point accuracy: $\pm 15\%$.
Repeatability (not considering the viscosity change of liquids): $\pm 10\%$.
- ² For application in oil, recommended model **FH12B04-M12**.
For application in viscous oil, recommended model **FH12B06-M12**.

FH12B04-M12



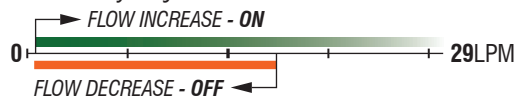
Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~0.6 to ~29

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

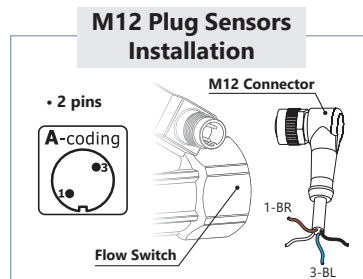
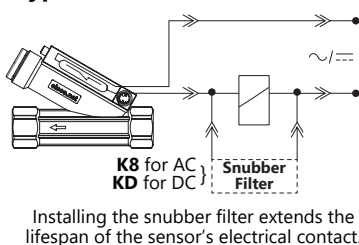
Internal clearance	114mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/2" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

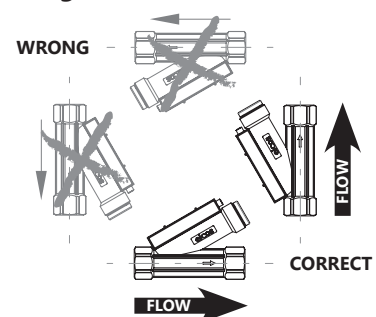
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

• Typical connection to contactor

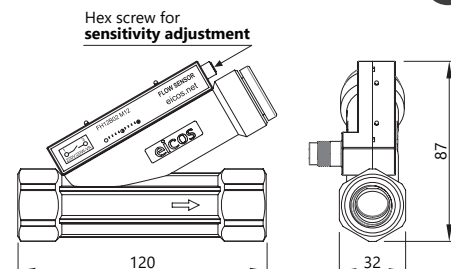


Mounting (Important!)



Dimensions (mm) and Weight

200g



Notes

- ¹ In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.
² For application in viscous oil, recommended model **FH12B06-M12**.

FH12B06-M12



Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~1.0 to ~34

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

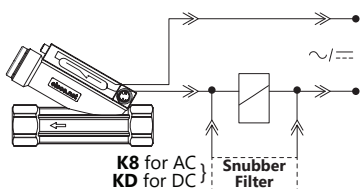
Internal clearance	114mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1/2" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

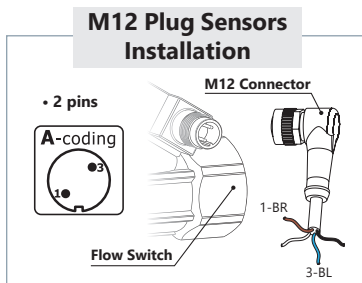
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

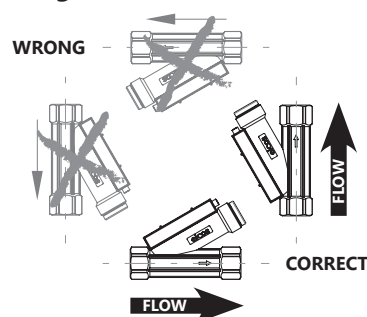
• Typical connection to contactor



Installing the snubber filter extends the lifespan of the sensor's electrical contact.

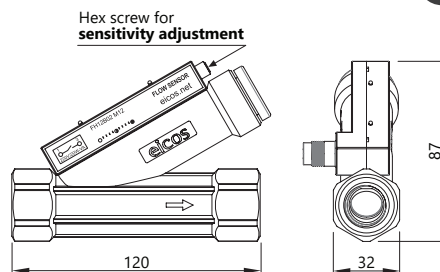


Mounting (Important!)



Dimensions (mm) and Weight

200g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

² For application in oil, also recommended model **FH12B04-M12**.

FC34B02-M12



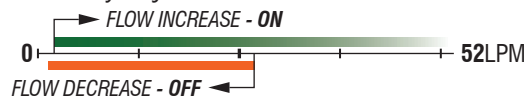
Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~2.1 to ~52

Typical applications

- Lubrication and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids

- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

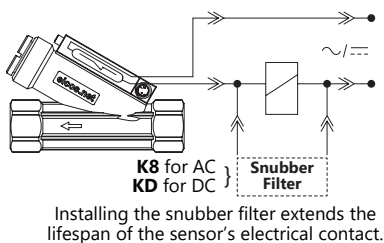
Internal clearance	266mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 3/4" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

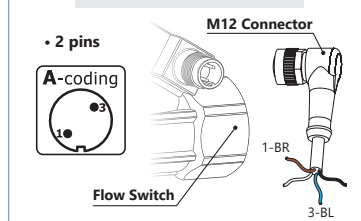
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

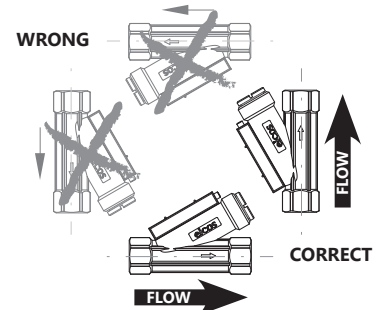
Typical connection to contactor



M12 Plug Sensors Installation

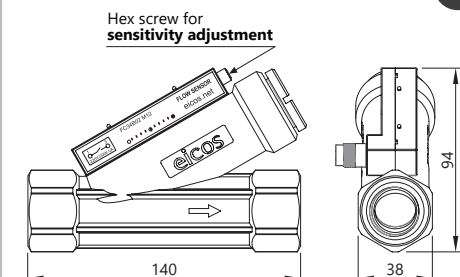


Mounting (Important!)



Dimensions (mm) and Weight

300g



Notes

- ¹ In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.
² For application in oil, recommended model **FC34B04-M12**.

FC34B04-M12



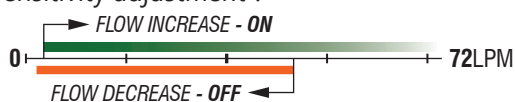
Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~3.2 to ~72

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels.



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

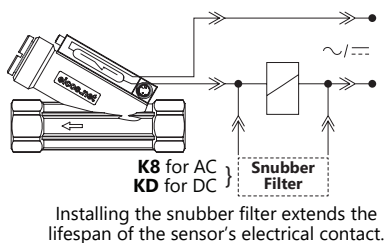
Internal clearance	266mm ²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 3/4" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	M12 male plug (2 pins)
	M12 female connector NOT included
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

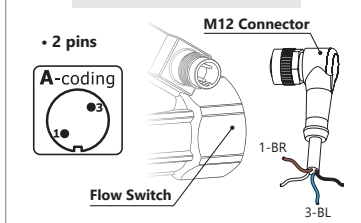
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

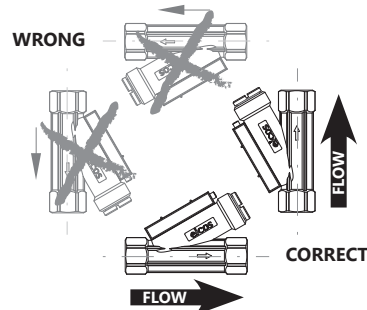
• Typical connection to contactor



M12 Plug Sensors Installation

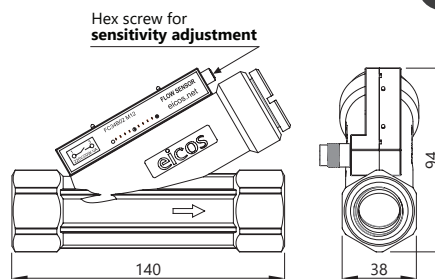


Mounting (Important!)



Dimensions (mm) and Weight

300g



Notes

¹ In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.

FC10B02



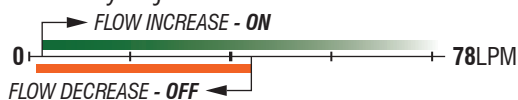
Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~2.5 to ~78

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

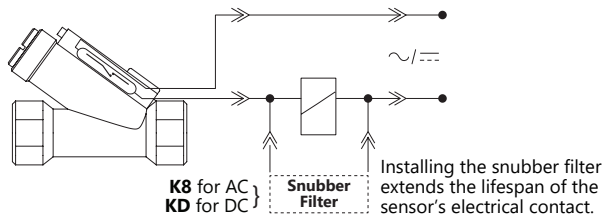
Internal clearance	380mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	DIN 43650 Connector - B
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

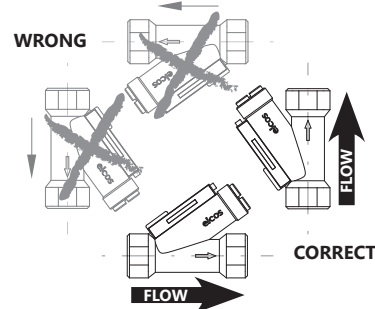
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

• Typical connection to contactor

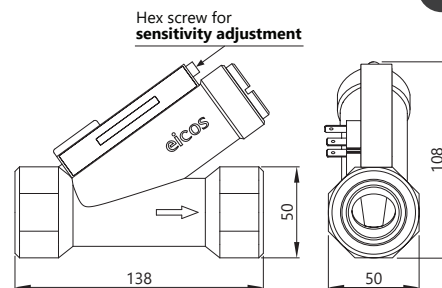


Mounting (Important!)



Dimensions (mm) and Weight

495g



Notes

- ¹ In water. Set point accuracy: $\pm 15\%$.
Repeatability (not considering the viscosity change of liquids): $\pm 10\%$.
² For application in oil, recommended model **FC10B04**.

FC10B04

Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~4.3 to ~104

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels.



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

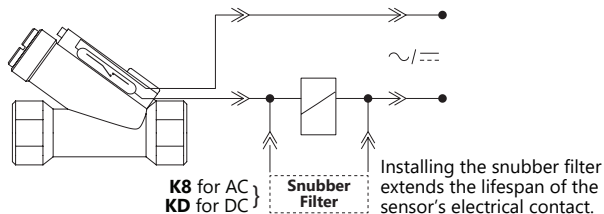
Internal clearance	380mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring
Output connection	DIN 43650 Connector - B
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

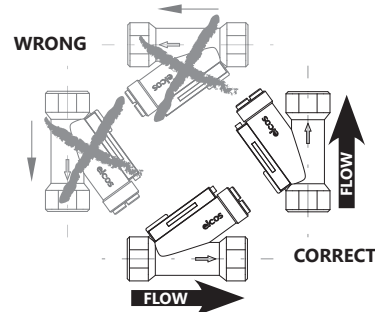
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

• Typical connection to contactor

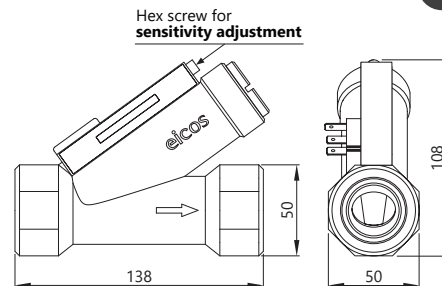


Mounting (Important!)



Dimensions (mm) and Weight

495g



Notes

¹ In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.

FJ112B02



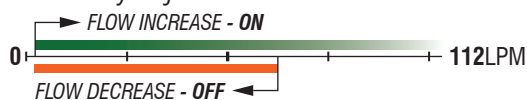
Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~2.5 to ~112

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

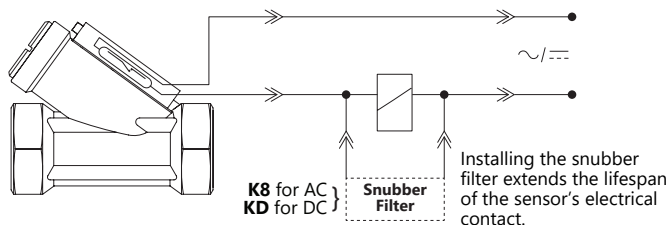
Internal clearance	680mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1½" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring³
Output connection	DIN 43650 Connector - B
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

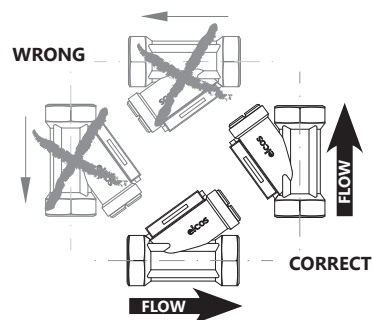
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

• Typical connection to contactor

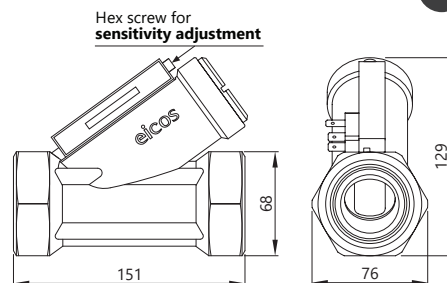


Mounting (Important!)



Dimensions (mm) and Weight

760g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

² For application in oil, recommended model **FJ112B04**.

³ Not included with the product.

FJ112B04



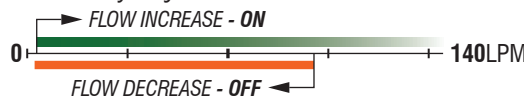
Material

PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~3.3 to ~140

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels.



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

Technical specifications

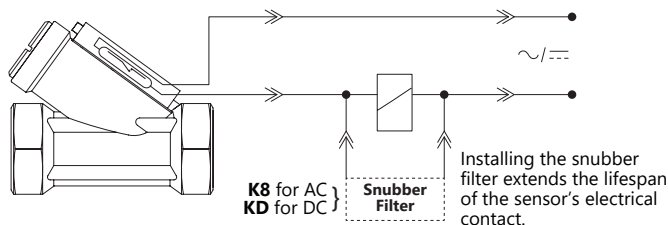
Internal clearance	680mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 1½" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring²
Output connection	DIN 43650 Connector - B
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

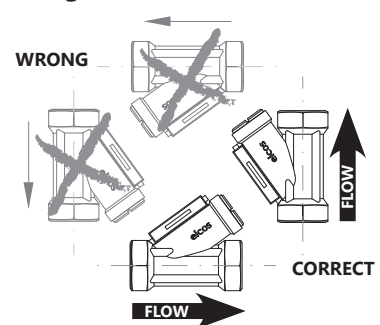
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

• Typical connection to contactor

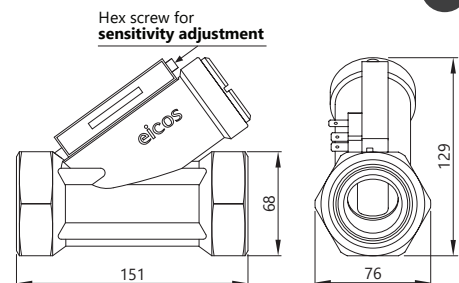


Mounting (Important!)



Dimensions (mm) and Weight

760g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considering the viscosity change of liquids): ±10%.

² Not included with the product.

FG20B02



Material

316 Stainless Steel
(PPA piston)



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~8.8 to ~136

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

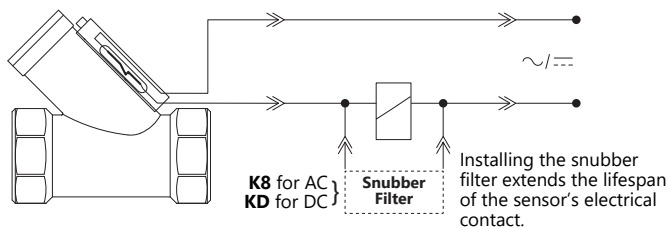
Internal clearance	1000mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 2" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring³
Output connection	DIN 43650 Connector - B
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

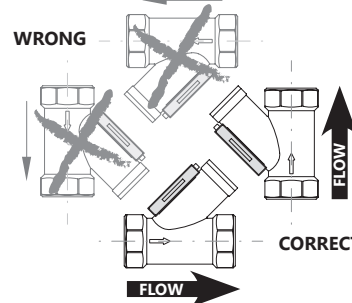
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

Typical connection to contactor

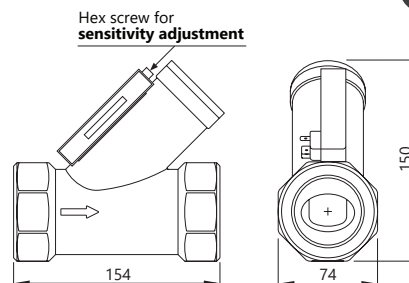


Mounting (Important!)



Dimensions (mm) and Weight

2.8Kg



Notes

- ¹ In water. Set point accuracy: ±15%. Repeatability (not considering the viscosity change of liquids): ±10%.
- ² For application in oil, recommended model **FG20B04**.
- ³ Not included with the product.

FG20B04



Material

316 Stainless Steel
(PPA piston)



How it works A fluid flow through the sensor causes precise displacement of a magnetic piston and closes an electrical contact (reed switch).

- Details**
- On/Off output; NO (SPST) working;
 - Detects increased or decreased flow;
 - Sensitivity adjustment¹.



Actuation Range (in LPM)
Water
From ~11 to ~145

- Typical applications**
- Lubrication and cooling systems monitoring;
 - Pipe fluid flow monitoring.

- Liquids**
- Clean water, oils, lubricants and filtered fuels.



Liquids with magnetic particles will cause deposition/magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.
Liquids with encrustation particles and/or solids require tests.

Technical specifications

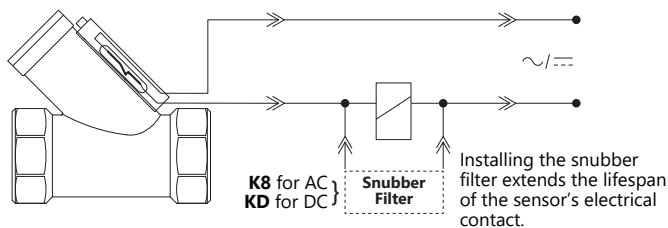
Internal clearance	1000mm²
Maximum operation pressure	25bar
Operating temperature range	0°C to 100°C 140°C @1h
Inlet/outlet port	G 2" female (BSP - Parallel)
Spring	AISI 302 stainless steel
Sealing	NBR (nitrilic rubber) O'Ring²
Output connection	DIN 43650 Connector - B
Enclosure rating	IP66
Electrical contact	Reed Switch 20W/VA

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

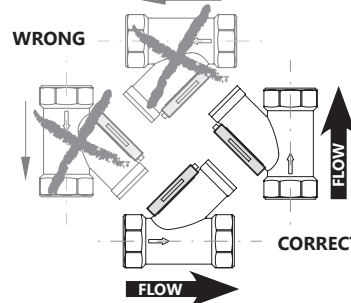
Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms

24Vac: Recommended use with Schneider coupling relay model RSLZVA1.

Typical connection to contactor

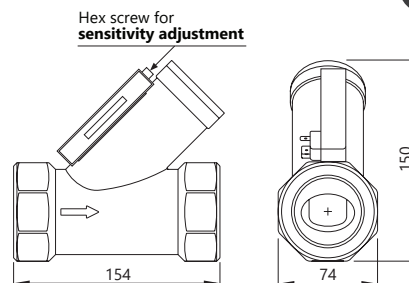


Mounting (Important!)



Dimensions (mm) and Weight

2.8Kg



Notes

¹ In water. Set point accuracy: ±15%.
Repeatability (not considering the viscosity change of liquids): ±10%.
² Not included with the product.