

PUBLIC PRODUCT DATASHEET

Fuel Level Sensors FLS S series

NBR float Level Sensor is part of the Magnetic Sensor / Reed Switch range from SHR MiRelay. This English public datasheet has been rebuilt under the current SHR AUTOSENSOR TECH LIMITED identity for customer selection, sample purchase and RFQ support.

Product Family Magnetic Sensor / Reed Switch	Model NBR float Level Sensor	Purchase Path Sample order or RFQ confirmation
Manufacturer SHR AUTOSENSOR TECH LIMITED	Website www.reed-relay.com	Sales Contact sales@reed-relay.com
Contact Form ■ ■	Working voltage: 4.75Vdc-25Vdc;	Operational temperature: -40'C - 85'C;
Superior operating life, high reliability,	rated life over millions of switching time under	operational temperature:-40■125't;; :_.....

Key Features

- The FLS-S is a fuel sensor with high quality, designed to
- Wire: Fully customized, with optional PA protection tube;
- Connector: Fully customized;
- Low level alarm: Optional.
- (including the magnet). Typically they are used to provide a low level warning of engine coolant, screen wash fluid, brake
- Switch contact hermitically sealed in the inert gas,
- Superior operating life, high reliability,
- Flexible mounting method, customized solutions are available upon request;

Technical Specifications

Parameter	Value
Contact Form	■ ■
Working voltage:	4.75Vdc-25Vdc;
Operational temperature: -40'C -	85'C;
Superior operating life, high	reliability,
rated life over millions of switching time	under
operational temperature:-40■125't;;	:_.....
Various reed switch type to be selected, s	10-100w;
2: 10W High	Voltage

Specification Notes

Fuel Level Sensors FLS-S series

FLS-S GP S , , , ,

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The FLS-S is a fuel sensor with high quality, designed to measure dynamic fuel level changes via GPS system for various vehicles, generator sets, machinery, and marine. Depending on the applications, the sensor could be easily designed to measure level of various fluid such as water, hydraulic oil, other type of corrosive solution. The measurements are done by a series of reed switches positioned inside the level tube, a float with built in magnet moving up and down when fluid level changes, would trigger the reed switches inside the tube respectively, thus, generate a potential free resistance signal with a Ohm value to indicate the change of fluid level. Compare to other level sensing technologies, FLS-S level sensor without complex electronic circuit, is a simple, robust solution for various application.

FLS-S

Sensor ■ Features and Characteristics

◆ : 4.75-25 Vdc;

Working voltage: 4.75Vdc-25Vdc;

◆ : 0.5-4.5Vdc; 0-12Vdc; 4- 20mA; 0-1900();

Output signal: 0.5-4.5Vdc; 0-12Vdc; 420mA; 0-1900 (other value can be delivered upon request);

◆ : 5-21 mm,

Measurement solution: 5-21 mm;

· : -40°C- 85°C;

Operational temperature: -40°C - 85°C;

· : SAE; ; 1/4" BSP;

Mounting method: SAE 5 hole flange; 4 hole flange, 1/4" BSP Threads;

◆ : 304, 316;

Material: Stainless steel 304 or 316;

◆ : NBA; 304/316; PP;

Float type: NBA, 304/316 stainless steel, PP;

◆ : (PA);

Wire: Fully customized, with optional PA protection tube;

· : ;

Connector: Fully customized;

◆ : ■

Low level alarm: Optional.

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3XGRQJ ■ QHZ ■ GLVWULFW ■ ■ 6KDQJKDL

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VDOHV#PLVHQVRU■QHW

Automotive Level Switches -ALS series

ALS, , , , ,

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ALS automotive level switch consist of the subassembly with including the reed switch and the housing with the float (including the magnet). Typically they are used to provide a low level warning of engine coolant, screen wash fluid, brake fluid, hydraulic steering fluid, or oil water separator. It is a simple and reliable solution for various automotive level sensing applications.

Ordering & Engineering Support

For production projects, confirm coil voltage, contact form, switching voltage/current, load type, operating environment, target quantity and required approvals before release. Contact sales@reed-relay.com or +86 137 6157 1029 for datasheet confirmation, sample availability and cross-reference support.

Address: Room 311, No. 18 Hangchuan Road, Pudong New District, Shanghai, China.

Document rebuilt: 2026-05-05 | Public document version