Guliwer electronics

# Fuel sensor

# GW 7-3012L;H

## Description

Design

- L – low resolution
- H – high resolution

Material – antimagnetic stainless steel.

The basic construction component consists of a flange and a square tube welded together. The measuring system is placed inside the tube. The float with a magnet moves along this tube and operates the magnetic switches. As a result, the output value of the selected electrical quantity depends on the fuel level height.

The measurement system is connected as a voltage divider.

The Fuel Sensor is intended for mounting to tanks with a 40mm hole.

The use of a fuel gauge must be specified in the order.

## Parameters:

| | | |
|---|---|---|
| Max. voltage | 32 | V |
| Max. current | 50 | mA |
| Operating temperature | -40°C thru +85°C | °C |
| Storage temperature | -40°C thru +85°C | °C |
| Label | producer, product code, date (or date code) | |
| Vibration resistance | 3 | g |
| Service life | 1 000 000 | cycles |
| Protection degree | IP 68 (inner part) | IP 67 (external part) |

## Overview of manufactured types

| Type | height [H] | L1 | L0 | Number of measuring steps | U max | U min | Connector | Flange |
|---|---|---|---|---|---|---|---|---|
| | measured from flange [mm] | | | | at supply voltage 5 [V] | | | |
| | | | | | state 0 | state 1 | | |
| GW 7-3060L | 600 | 20 | 580 | 108 | 0 | 5 | AMP 282087-1 | SAE J1810 |
| GW 7-3060H | | | | 234 | | | | |
| GW 7-3120L | 1200 | | 1180 | 217 | | | | |
| GW 7-3120H | | | | 474 | | | | |

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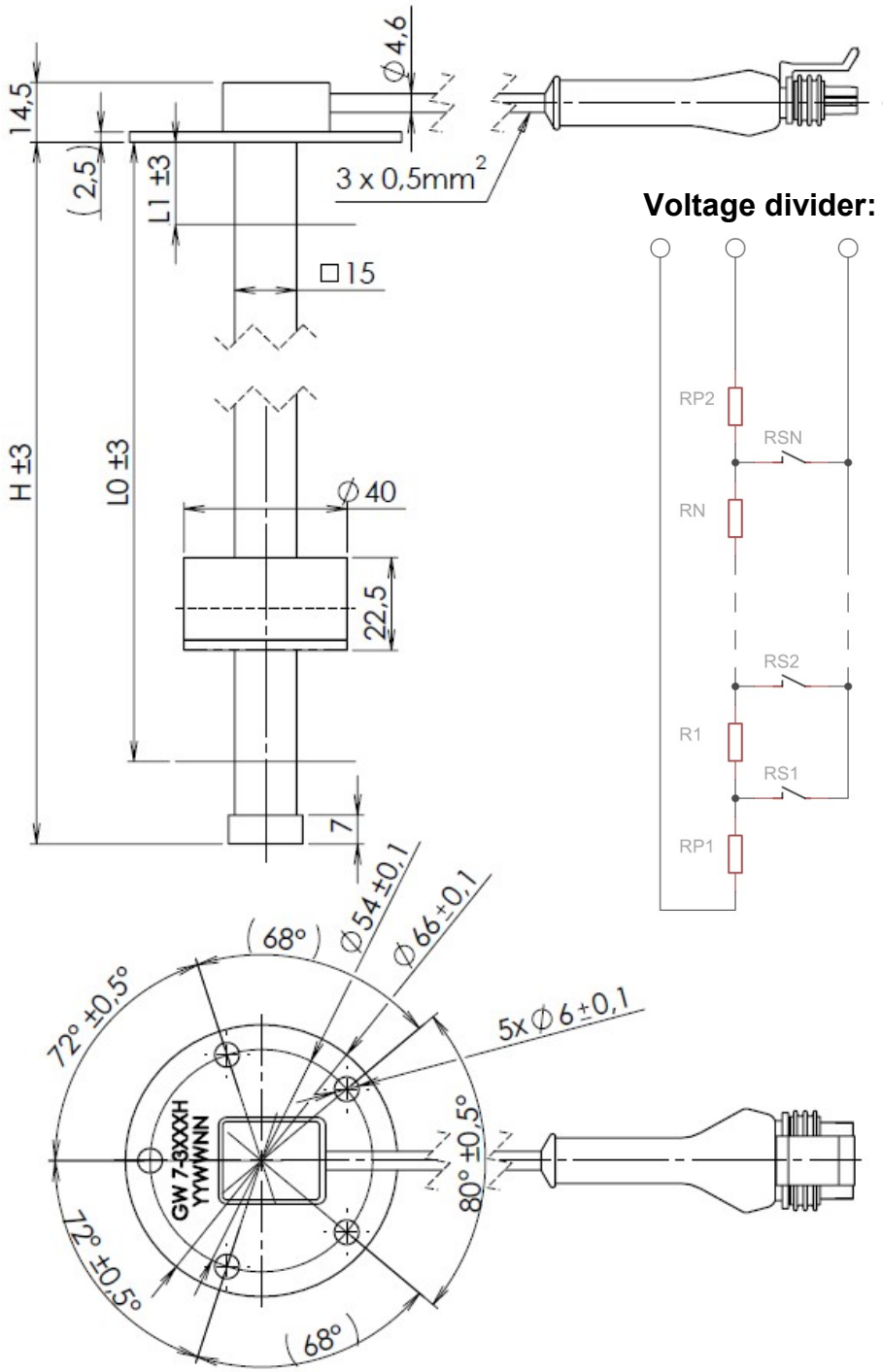
Other types can be prepared according to customer requirements within the limit parameters stated below:

| Limit parameters for specifying new types by the customer | | |
|---|---|---|
| Max. length H | 1700 | mm |
| Measuring circuit resistance | 720 – 1800 | ohm |
| Resolution - GW 7-LXXX | 5,5 | mm |
| Resolution - GW 7-HXXX | 2,5 | mm |
| Max. measured height L1 | 12 | mm |
| Min. measured height L0 | H - 12 | mm |

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