

**Automatic shut off feature for the permanently installed refilling system:**

The ASH 31 Mi can also be optionally equipped with an automatic shut off feature for the permanently installed refilling system. This prevents accidental overfilling of the fuselage fuel tank. This is accomplished by means of a sensor in the expansion tank which shuts off the re-fuelling system when the fuselage tank is full.

The fuel refilling system switch located in the instrument panel has three settings:

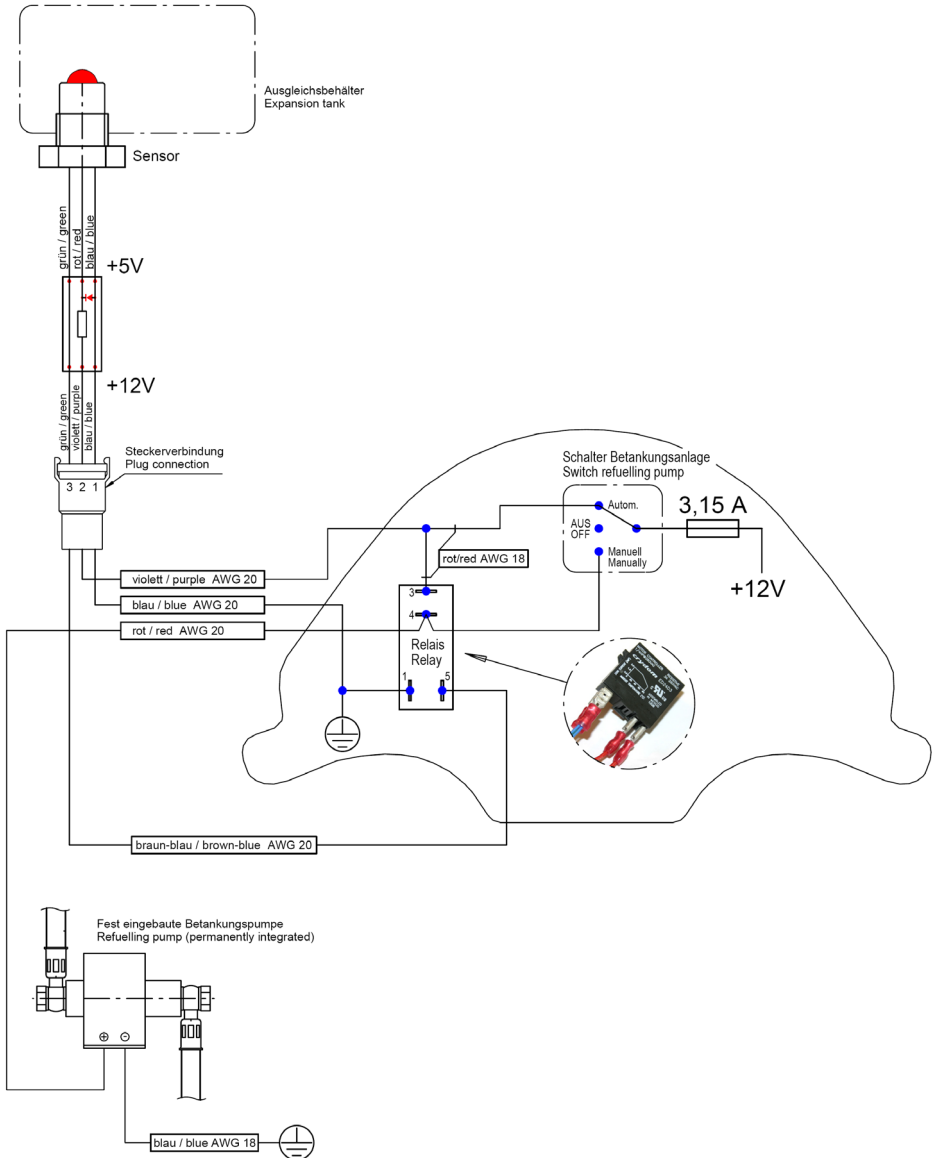
- OFF:** Fuel re-filling system is switched off.  
**AUTOMATIC:** The fuel re-filling system is active and will be automatically shut off when the fuselage tank is full.  
**Manual:** The automatic shut-off feature will be deactivated and the refilling process must be accomplished manually.

**Filling the Wing Fuel Tanks:**

For filling the wing fuel tanks, the fuel re-filling system switch in the instrument panel can be set to “**AUTOMATIC**” or “**MANUAL**”. However, the shut off feature does not function when re-filling the wing tanks. Consequently the amount of fuel being filled must be monitored in the usual manner.

**NOTE:** *In case the fuel refilling system has already been shut off by the sensor while filling the fuselage tank, it is possible that when attempting to fuel the wing tanks, the fuel refilling system can only be activated by setting the switch to “**MANUAL**”.*

Fig. 9.3-1 Circuit diagram of the automatic shut off feature for the permanently installed refilling system



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