Accessories

Limit contacts

Variable area flow meters from George Fischer are equipped with two dovetail shafts. For external electrical monitoring, these can be used for fitting magnetically actuated limit contacts.

Function of the limit contact (GK)

The limit contact serves to monitor externally the limited flow values and can be adjusted to any flow value on the corresponding scale. The magnet built into the float closes or opens a reed contact in the limit contact. This is a bistable switching function because the switching status remains when the float is taken from the contact.

Note: When subsequently mounting limit contacts, mind that you have to replace the standard float with a magnetic float.

The limit contacts GK10/ GK11 are only suitable for the VAFM type 335/ 350 as well as the short version of the existing range. The same contact type can not be used for monitoring both the min. and max. levels. (GK 10min / GK11 max)

Assembly instructions

1. Replace the float with a magnetic float.
2. Position the limit contact on the dovetail shaft of the VAFM.
3. Tighten fastening screw.

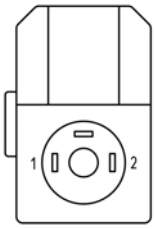
Mode of operation of contacts

Position of float in relation to limit contacts:

	Top	Bottom
max. contact (GK11)	closed	open
min. contact (GK10)	open	closed

The contacts remain in these positions, even if the float leaves the contact concerned. When the float moves back to the desired position, the corresponding contact is deactivated.

Technical data to contacts



Connection: Standard plug DIN 40050
Contact fitted: Reed contact
Mode of protection: IP 65
Max. voltage: 230 V
Max. continuous current: 0.2 A
Peak switch-on current: 0.5 A

For use with inductive loads, use a relay to protect the contacts