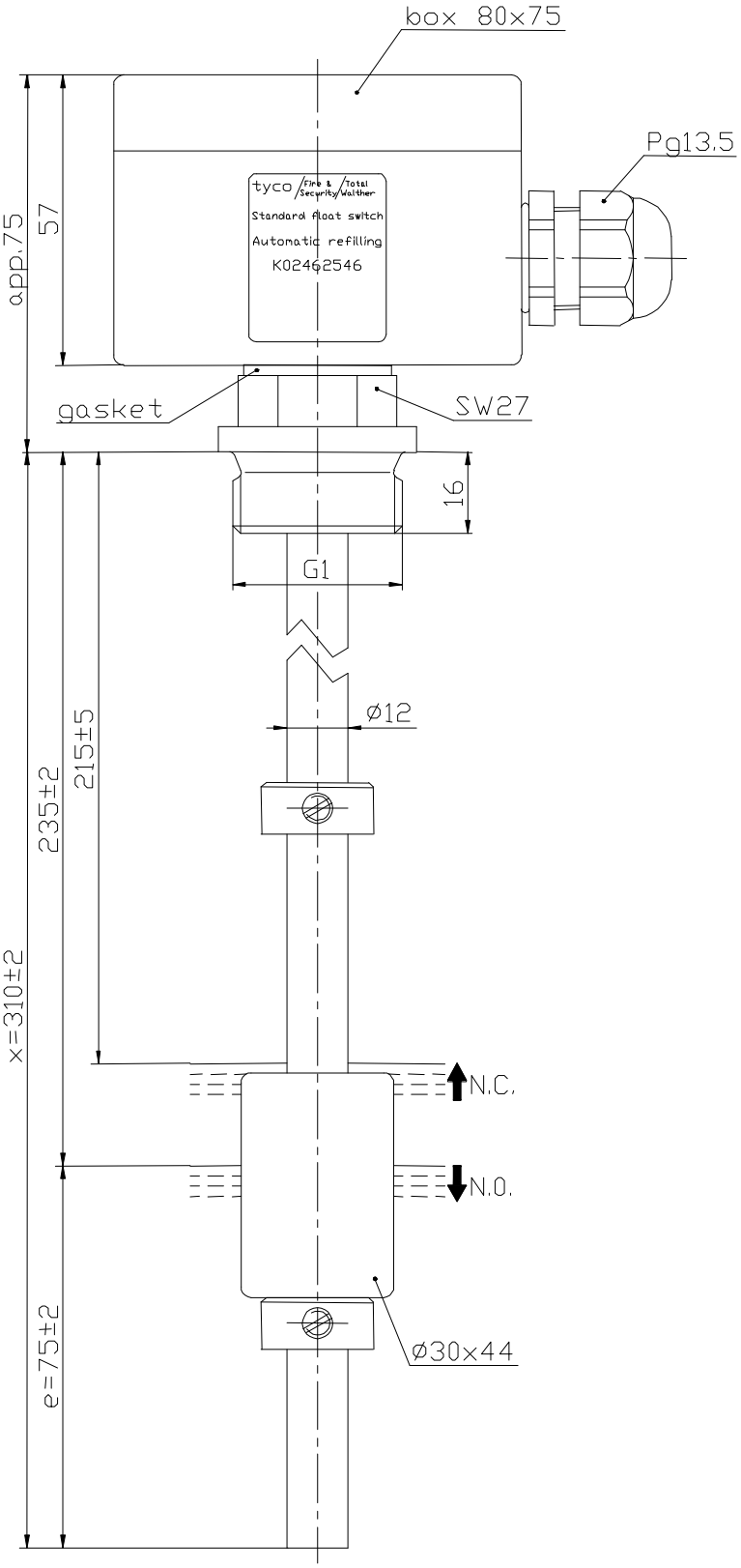
Technical Data
Float Switch

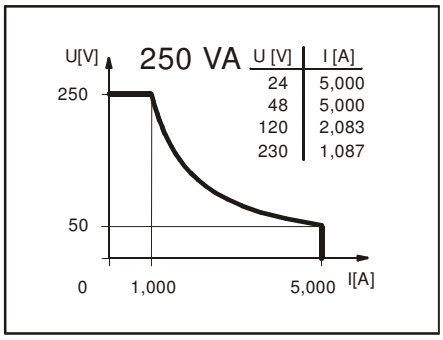
Standard float switches

Description **MAR-712 KCAN1S 0310**

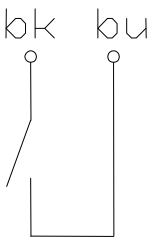
Article number **6814170003**



Performance diagram
(maximum data)



Wiring diagram



Subject to change without notice.

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BERNSTEIN safe solutions

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Description **MAR-712 KCAN1S 0310** Article number **6814170003**

Electrical data

Reed contact	max. switching voltage	250 V
	max. switching current	5,0 A
	max. switching capacity	250 VA
	mechanical life	10^7 to 10^9 switches depending on the load
Switching element		1 normally open contact, falling level ; hysteresis app. 15-25mm
Direction category		AC-21A and DC-21A acc. to DIN VDE 0660 T107
Standard		acc. to DIN VDE 0660 T200

Mechanical data

Terminal box material		GD-AlSi12 (3.2581.05)
Screw connection material G1		X6CrNiMoTi17 12 2 (1.4571)
Screw connection material Pg13,5		PA6
Switching tube material		X6CrNiMoTi17 12 2 (1.4571)
Float material		NBR
	-density	about 0,45 g/cm³ ±10%
	-depth of immersion	19,5 mm ±2 mm (to a fluid-density of 1 g/cm³)
Adjusting ring material		X6CrNiMoTi17 12 2 (1.4571)
Gasket material		NBR
Ambient air temperature		-5°C to +60°C
Liquid temperature		-5°C to +60°C
Connection		connecting block inside the terminal box
Protection type		IP 65 acc. to DIN VDE 0470 T1
Max. pressure		15 bar

General details

Repeatabaility of switching points is ±0,05mm based on the same geometrical conditions as of a switch device.
The measures of the switching points refer to a fluid-density of 1 g/cm^3.
The tolerance of the switching points is ±2mm
Pay attention to the contact protection, when switching inductive loads. Maximum data must not be exceeded!