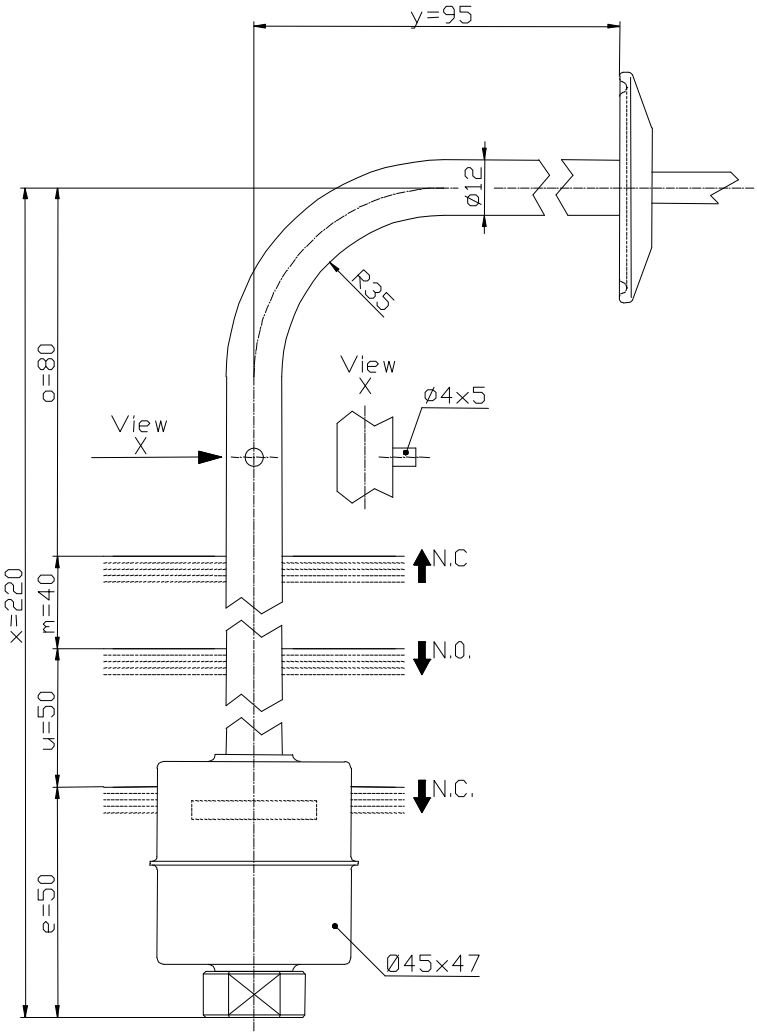
Technical Data
Float Switch

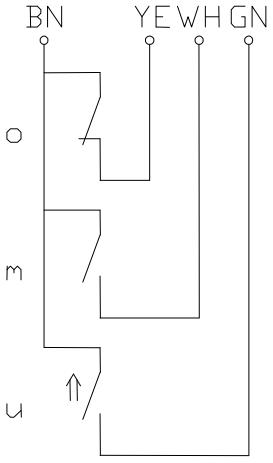
BERNSTEIN safe solutions

Standard float switches

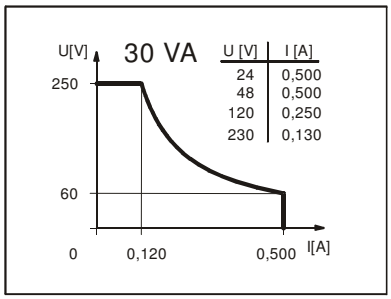
Description **MAN-734 KNW25 0220** Article number **6835100011**



Performance diagram
(maximum data)



Wiring diagram
(without liquid)



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Bernstein AG, Tieloser Weg 6, D-32457 Porta Westfalica, Germany / www.bernstein-ag.de

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Electrical data

Reed contact	max. switching voltage	250 V
	max. switching current	0,5 A
	max. switching capacity	30 VA
	mechanical life	10^7 to 10^9 switches depending on the load
Switching element		1 normally closed contact, rising level
		1 normally open contact, falling level
		1 normally closed contact, falling level
Direction category		AC-21A and DC-21A acc. to DIN VDE 0660 T107
Standard		acc. to DIN VDE 0660 T200

Mechanical data

Flange	Aseptik-Blindklemmstutzen, NW25-40, acc. to DIN 32676
Flange material	X2CrNiMo17 13 2 (1.4404)
Switching tube material	X2CrNiMo17 13 2 (1.4404)
Float material	X2CrNiMo17 13 2 (1.4404)
-density	about 0,7 g/cm³ ±10%
-depth of immersion	32 mm ±2 mm (to a fluid-density of 1 g/cm³)
Housing and float are electrlytic polished (Ra=0,8)	
Adjusting ring material	X2CrNiMo17 13 2 (1.4404)
Gasket material	PTFE
Ambient air temperature	-5°C to +150°C
Liquid temperature	-5°C to +150°C
Connection	5m cable, silicon, 4x0,50mm²
Protection type	IP 65 acc. to DIN VDE 0470 T1
Max. pressure	10 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!

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