

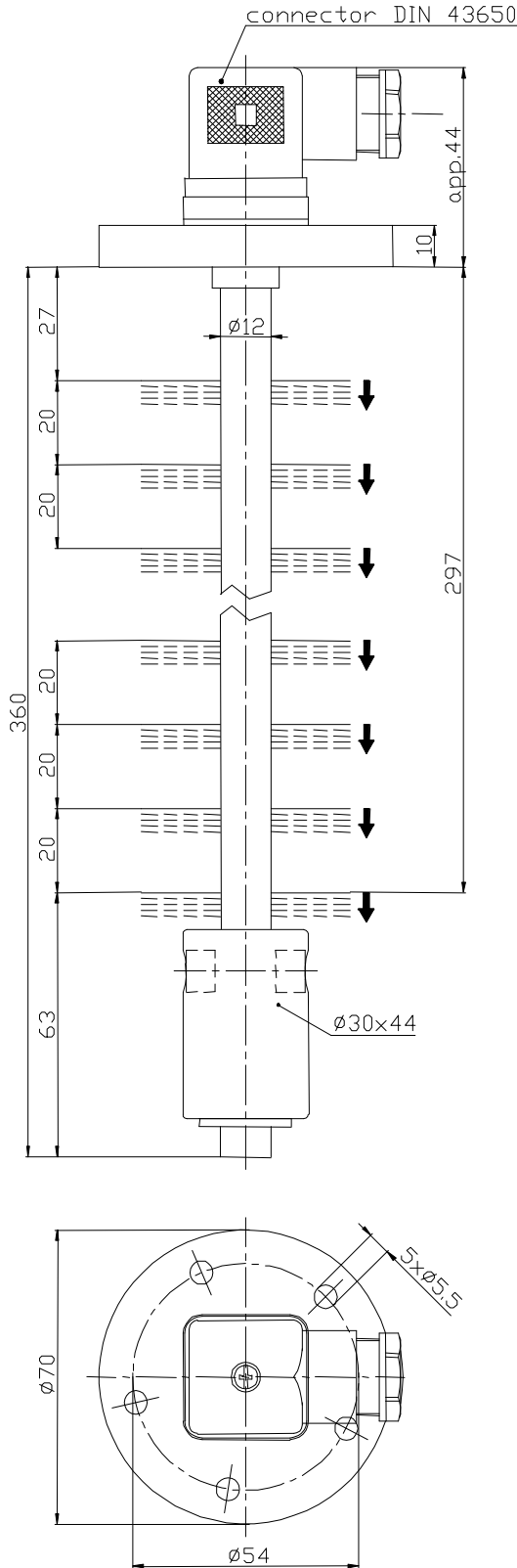
# Technical Data

## Float Switch

### Standard float switches

Description **MAS-ANL BFL70 0360**

Article number **6871200067**

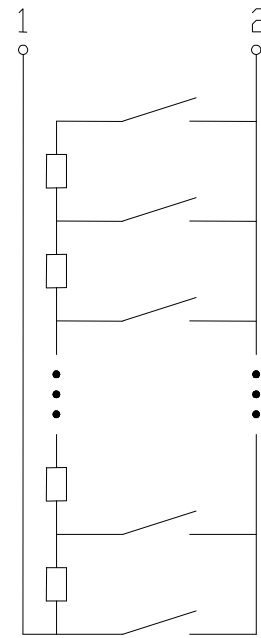


#### Switching function

Resistance value at

297mm – 317mm	=	0,0	Ω
277mm – 297mm	=	5,6	Ω
257mm – 277mm	=	11,2	Ω
237mm – 257mm	=	16,8	Ω
217mm – 237mm	=	22,4	Ω
197mm – 217mm	=	28,0	Ω
177mm – 197mm	=	33,6	Ω
157mm – 177mm	=	38,2	Ω
137mm – 157mm	=	44,8	Ω
117mm – 137mm	=	50,4	Ω
97mm – 117mm	=	56,0	Ω
77mm – 97mm	=	61,6	Ω
57mm – 77mm	=	67,2	Ω
37mm – 57mm	=	72,8	Ω
0mm – 37mm	=	∞	

#### Wiring diagram



Subject to change without notice.

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### Standard float switches

Description      **MAS-ANL BFL70 0360**      Article number      **6871200067**

#### Electrical data

Resistance value	1/4 Watt
Protection type	IP 65 acc to DIN VDE 0470 T1 <u>only with female socket</u>
Direction category	AC-22A and DC-22A acc to DIN VDE 0660 T107
Standard	acc to DIN VDE 0660 T200
mechanical life	10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load

#### Mechanical data

Flange material	CuZn39Pb3 (2.0401)
Switching tube material	CuZn37 (2.0321)
Float material	NBR
-density	about 0,44 g/cm <sup>3</sup> ±10%
-depth of immersion	27 mm ±2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Grip screw material	CuSn8 (2.1030)
Gasket material	NBR
Ambient air temperature	-30°C to +60°C
Liquid temperature	-30°C to +60°C
Connection	plug-in connection acc. to DIN 43650

#### General details

Repeatability 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<sup>3</sup>.  
The tolerance of the switching points is ±2mm  
Pay attention to the contact protection, when switching inductive loads. Maximum data must not be exceeded!