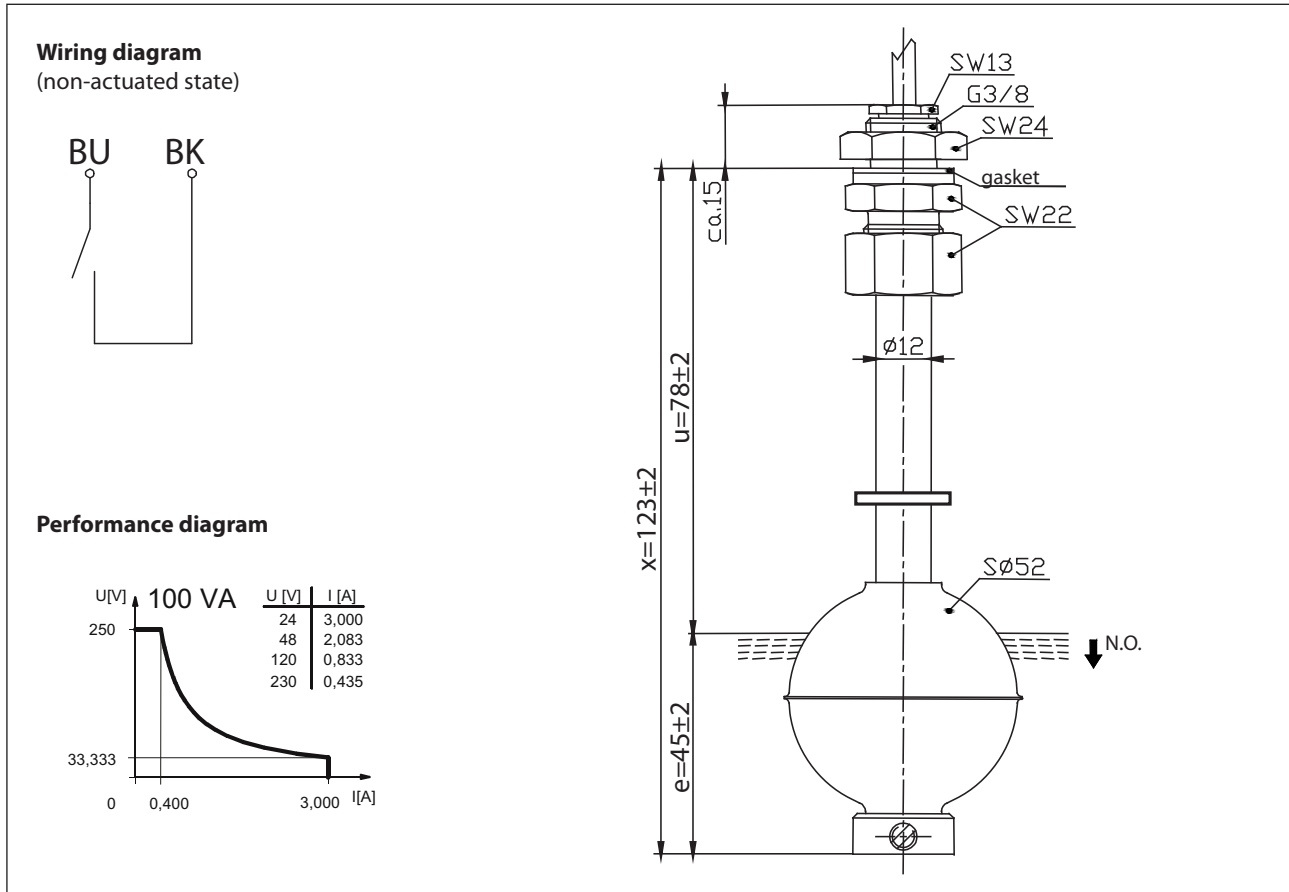


Float switch

Series Standard-Float switch

Description **MAE-712 FAS 0123**

Article number **6814182003**



Electrical data		
Rated voltage	U_r	250 V
max. switching current		1,0 A
max. switching capacity		60 VA
min. switching capacity		3 VA
Rated insulation voltage	U_i	300 V AC
Bemessungsstoßspannungsfestigkeit	U_{imp}	4 kV AC
Overvoltage category		II
Switching element		Delivery status: Magnet above, 1 N.O., falling level Alternative: Magnet below, 1 N.O., rising level
Protection class		II (totally insulated)

Mechanical data	
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Hexagon nut material	X10CrNiS18-9 (1.405)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	X6CrNiMoTi17-12-2 (1.4571)
- density	about 0,65 g/cm ³ ±10 %
- depth of immersion	32 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	X6CrNiMoTi17-12-2 (1.4571)
Grip screw material	X35CrMo17
Gasket material	NBR
Ambient air temperature	-5 °C to +80 °C
Liquid temperature	-5 °C to +80 °C
Connection	Cable 2 x 0,5 mm ² x 10 m ± 5 %, silicone-outer jacket, black
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

General details
The measures of the switching points refer to a fluid-density of 1 g/cm ³ . The tolerance of the switching points is ±2 mm Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!

Inductive loads
<div style="display: flex; justify-content: space-between;"> <div style="width: 24%;"> <p>Direct current</p> <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="width: 24%;"> <p>Alternating voltage</p> <p>Suppression of voltage peaks with a VDR</p> </div> <div style="width: 24%;"> <p>Suppression of voltage peaks with an RC element</p> </div> <div style="width: 24%;"> <p>Suppression of voltage peaks with an RC element</p> </div> </div>

Capacitive loads and lamp loads
<p>Contact protection with resistors for limiting current</p>