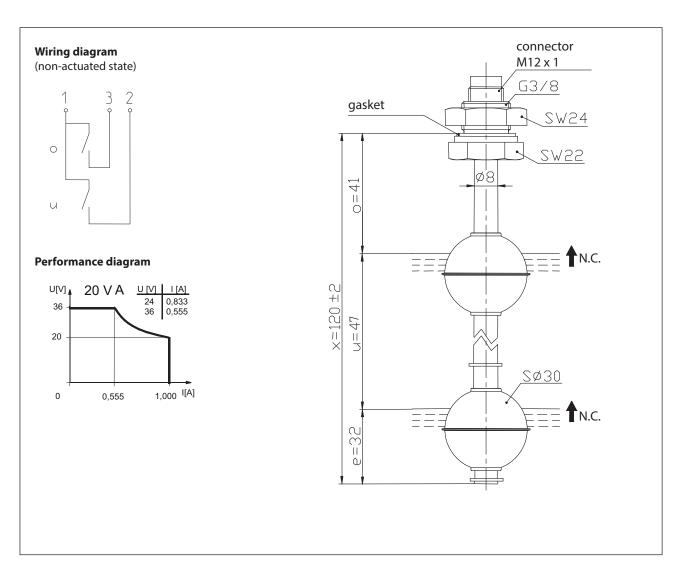


Float switch

Series Miniature-Float switch

Description MSN1-NI-R3/8ST-20 0120

Article number 6891173046



Characteristic features in accordance with EN 60947-5-1

Electrical data		
Operational voltage range	U _B	10-36 V
max. switching current		1,0 A
max. switching capacity		20 VA
mechanical life		10 ⁷ to 10 ⁹ switches depending on the load
Switching element		2 x N.C., rising level
Protection class		III

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Mechanical data	
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Hexagon nut material	X10CrNiS18-9 (1.4305)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material - density - depth of immersion	X6CrNiMoTi17-12-2 (1.4571) about 0,65 g/cm 3 ±10 % 18 mm ± 2 mm (to a fluid-density of 1 g/cm 3)
Gasket material	NBR
Grip ring material	X5CrMo17-12-2 (1.4122)
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Plug M12x1 (4-pole, DC)
Protection type	IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs)
Max. pressure	10 bar

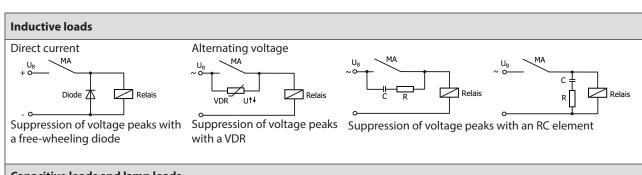
General details

Repeatability of switching points is $\pm 0,05$ mm 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/cm³.

The tolerance of the switching points is $\pm 2 \text{ mm}$

Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!



Capacitive loads and lamp loads

