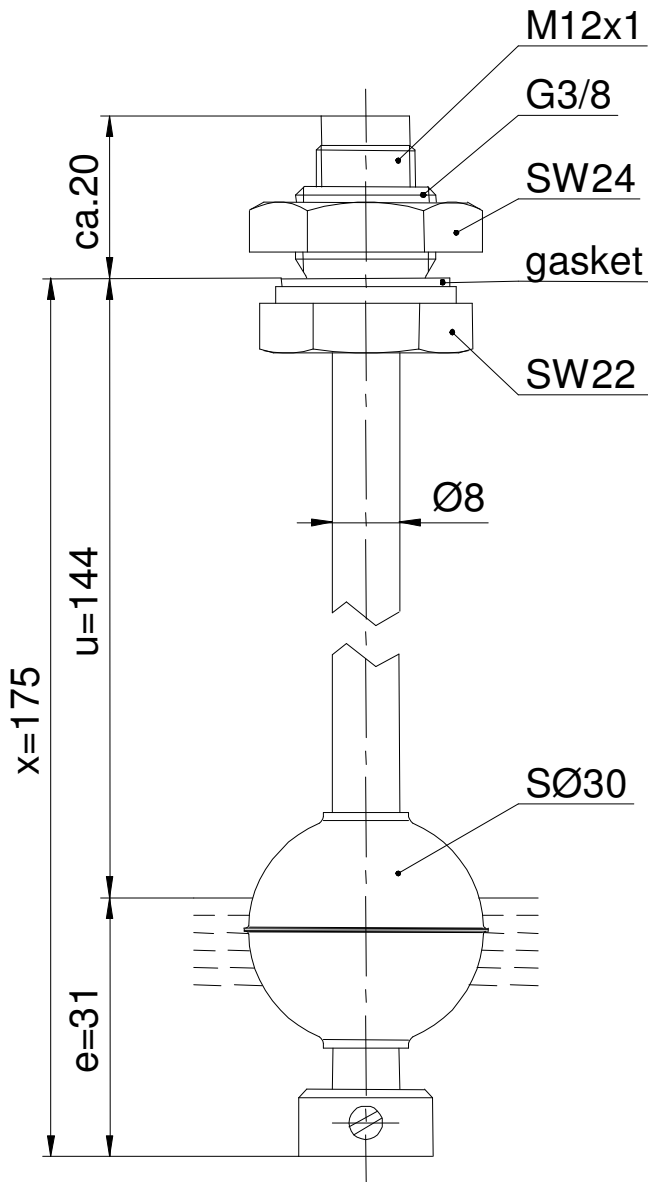


Technical Data

Magnetic Float Switch

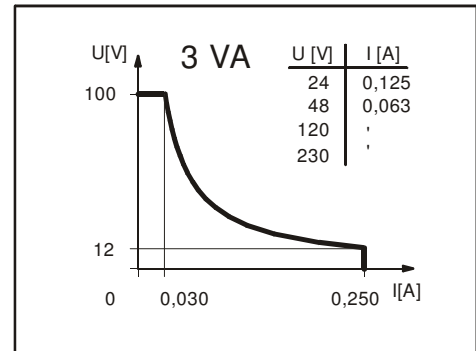
Typ: **MSN1-NI-R3/8ST-U 0175**

Art.-No.: **6891173019_01**



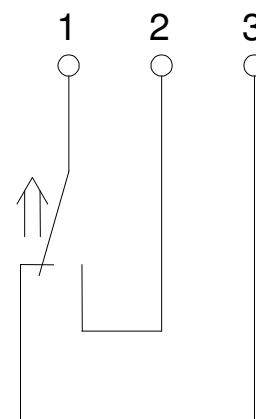
Performance diagram

(maximum data)



Wiring diagram

(matching to the drawing)



Electrical Data (maximum data)

contact:	max. voltage	1000 V
	max. switching current	0,3 A
	max. switching capacity	3 VA
switching function	1 change-over contact, falling level	
direction category	AC-21A and DC-21A	
standard	acc. to DIN VDE 0660 T107 (IEC 947-3-1 / EN 60947-3-1)	
	acc. to DIN VDE 0660 T200 (IEC 947-5-1 / EN 60947-5-1)	

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Date of issue: 15.06.2005 / Page 1 of 1
Document : 6891173019_01_eng / Last update: 1 / 0000-00

Technical Data

Magnetic Float Switch

Mechanical Data

hexagon nut material	1.4305 (Niro)
screw connection material	1.4571 (Niro)
switching tube material	1.4571 (Niro)
float material	1.4571 (Niro)
-density	about 0,65 g/cm ³ ±10%
-immersion depth	18 mm ±2 mm (to a fluid-density of 1 g/cm ³)
adjusting ring material	1.4571 (Niro)
gasket material	NBR
temperature range	from -5 °C to +60 °C
fluid temperature	from -5 °C to +60 °C
mech. lifetime	10 ⁷ to 10 ⁹ switches depending on the load
mode of connection	connector M12x1, plug in connection 4 pol. DC
protection class	IP 65 acc. to DIN VDE 0470 T1 (ICE 529 / EN 60529)
	only with female socket
max. pressure	10 bar

General details

Reproducibility 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-tight of 1 g/cm³.

The tolerance of the switching points is ±2 mm.

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

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Date of issue: 15.06.2005 / Page 2 of 2
Document : 6891173019_01_eng / Last update: 1 / 0000-00