

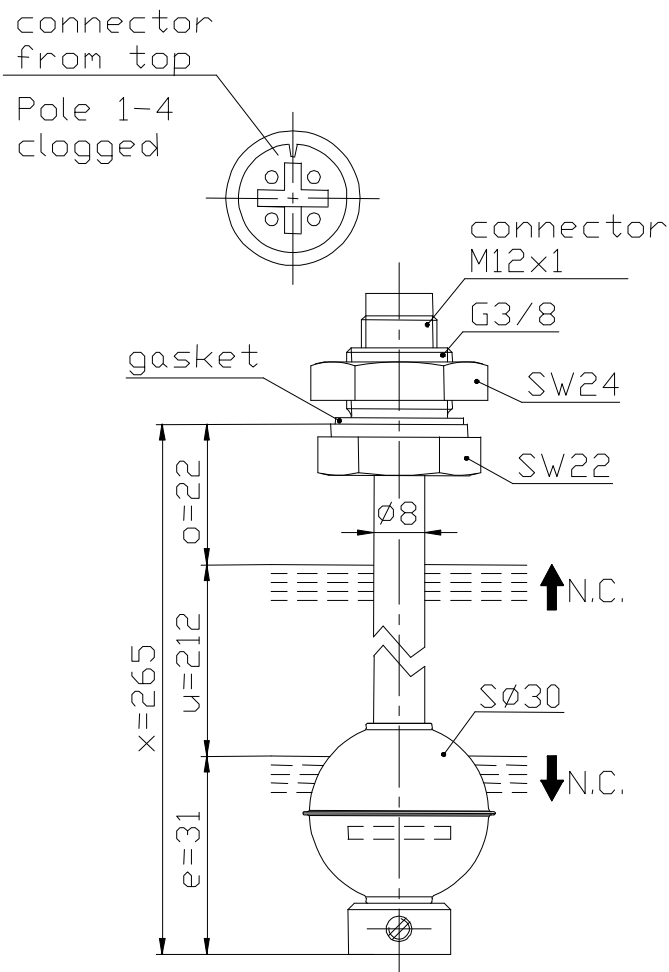
# Technical Data

## Float Switch

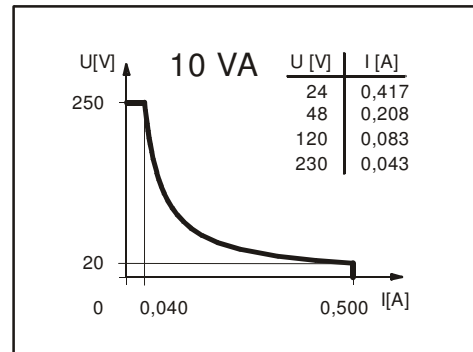
### Mini-level float switches

Description **MSN1-NI-R3/8ST-2O 0265**

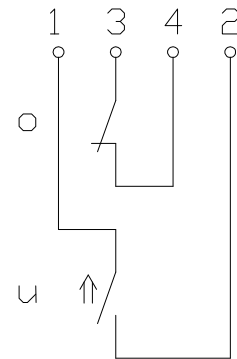
Article number **6895173002**



### Performance diagram (maximum data)



### Wiring diagram (without liquid)



Subject to change without notice.

### Mini-level float switches

Description **MSN1-NI-R3/8ST-2O 0265** Article number **6895173002**

#### Electrical data

Reed contact	max. switching voltage	250 V
	max. switching current	0,5 A
	max. switching capacity	10 VA
	mechanical life	10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load
Switching element		1 normally closed contact, rising 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

Screw connection material	X6CrNiMoTi17 12 2 (1.4571)
Hexagon nut material	X10CrNiS18 9 (1.4305)
Switching tube material	X6CrNiMoTi17 12 2 (1.4571)
Float material	X6CrNiMoTi17 12 2 (1.4571)
-density	about 0,65 g/cm <sup>3</sup> ±10%
-depth of immersion	18 mm ±2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Adjusting ring material	X6CrNiMoTi17 12 2 (1.4571)
Gasket material	NBR
Ambient air temperature	-5°C to +60°C
Liquid temperature	-5°C to +60°C
Connection	Connector M12x1
Protection type	IP 65 acc. to DIN VDE 0470 T1 <u>only with female socket</u>
Max. pressure	15 bar

#### 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!