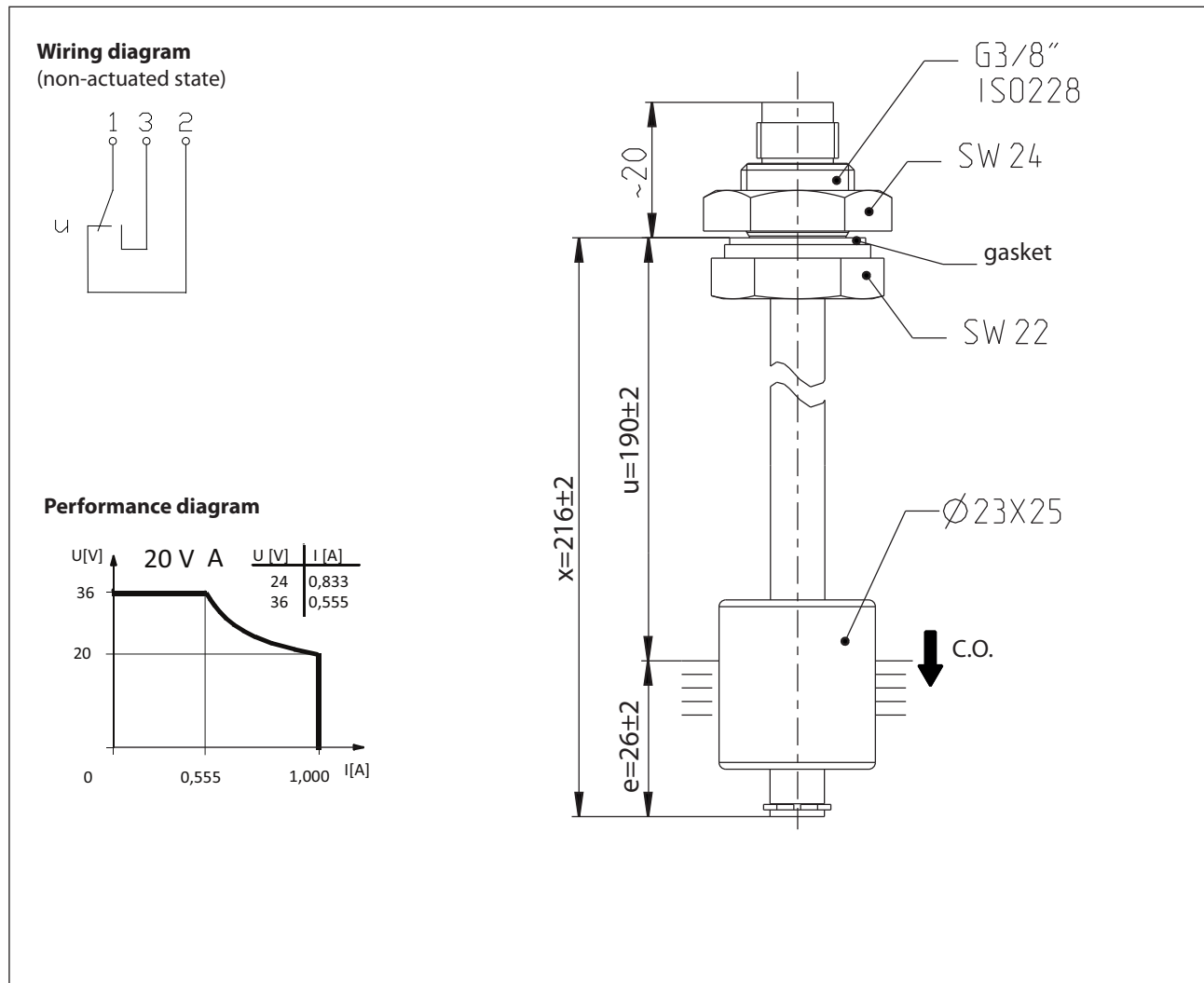


Float switch

Series Miniature-Float switch

Description **MSK4-NI-R3/8ST-U 0216**

Article number **6891147002**



Electrical data

Rated voltage	U_r	36 V
max. switching current		1,0 A
max. switching capacity		20 VA
Rated insulation voltage	U_i	50 V AC
Rated impulse withstand voltage	U_{imp}	500 V AC
Overvoltage category		II
Switching element		1 C.O., falling level

Mechanical data	
Hexagon nut material	X10CrNiS 18-9 (1.4305)
Bolting material	X6CrNiMoTi17-12-2 (1.4571)
Switching tube material	X6CrNiMoTi17-12-2 (1.4571)
Float material	NBR
- density	about 0,7 g/cm ³ ±10 %
- depth of immersion	16 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Grip screw material	X35CrMo17-12-2 (1.4122)
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connector (M12x1, 4-pole), PIN 1, 2 and 3 connected
Protection type	IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs)
Max. pressure	10 bar

Standards
DIN EN 60947-5-1

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: 22%;"> <p>Direct current</p> <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="width: 22%;"> <p>Alternating voltage</p> <p>Suppression of voltage peaks with a VDR</p> </div> <div style="width: 22%;"> <p>Suppression of voltage peaks with an RC element</p> </div> <div style="width: 22%;"> <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>