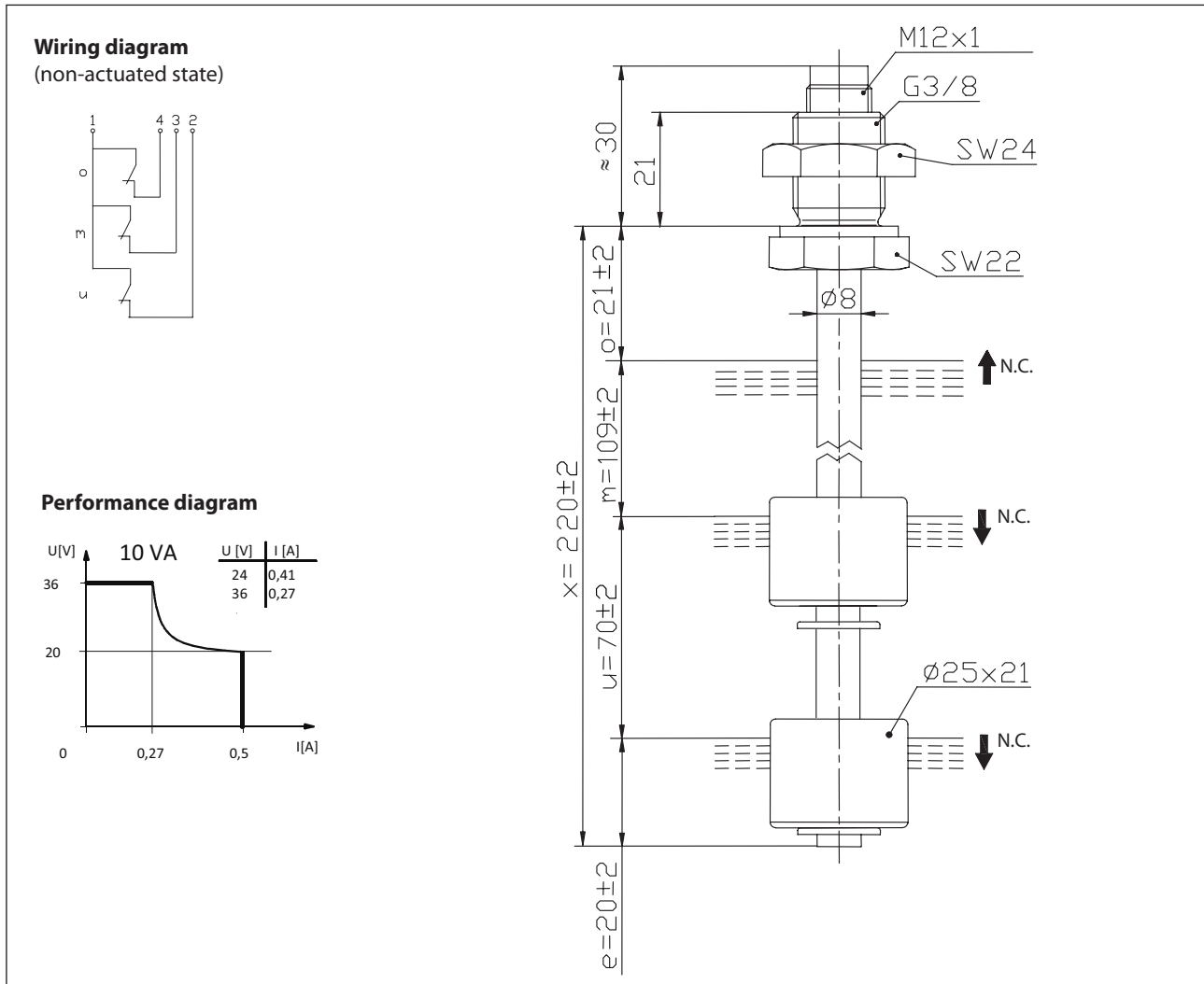


Float switch

Series Miniature-Float switch

Description **MSK1-NI-R3/8ST-30 0220**

Article number **6895117003**



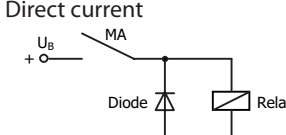
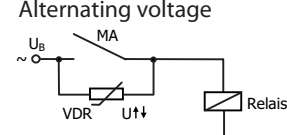
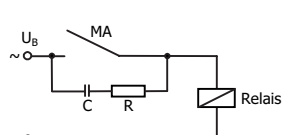
| Electrical data | | | |
|---------------------------------|-----------|---|--|
| Rated voltage | U_r | 36 V | |
| max. switching current | | 0,5 A | |
| max. switching capacity | | 10 VA | |
| Rated insulation voltage | U_i | 50 V AC | |
| Rated impulse withstand voltage | U_{imp} | 500 V AC | |
| mechanical life | | 10 ⁷ to 10 ⁹ switches | |
| Switching element | | 2 N.C., falling level 1 N.C., rising level | |

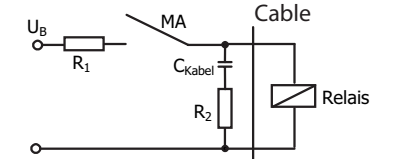
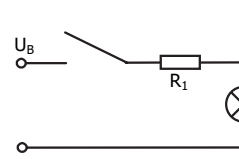
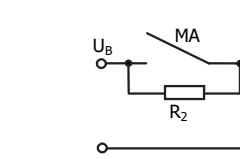
| Mechanical data | |
|-------------------------|--|
| Hexagon nut material | X10CrNiS 18-9 (1.4305) |
| Bolting material | X6CrNiMoTi17-12-2 (1.4571) |
| Switching tube material | X6CrNiMoTi17-12-2 (1.4571) |
| Float material | PP |
| - density | about 0,55 g/cm ³ ±10 % |
| - depth of immersion | 12 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 | Plug connection (M12x1, 4 pole) |
| Protection type | IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs) |
| Max. pressure | 5 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-around;"> <div style="text-align: center;"> <p>Direct current</p>  <p>Suppression of voltage peaks with a free-wheeling diode</p> </div> <div style="text-align: center;"> <p>Alternating voltage</p>  <p>Suppression of voltage peaks with a VDR</p> </div> <div style="text-align: center;">  <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> |