

Float switch

Series Standard-Float switch

Description **MAM-713 KVS 0119**

Article number **6815201018**

Wiring diagram
(non-actuated state)

Performance diagram

| U [V] | I [A] |
|-------|-------|
| 24 | 0,500 |
| 48 | 0,500 |
| 120 | 0,250 |
| 230 | 0,130 |

Characteristic features in accordance with EN 60947-5-1

| Electrical data | |
|-------------------------|---|
| max. switching voltage | 250 V |
| max. switching current | 0,5 A |
| max. switching capacity | 30 VA |
| mechanical life | 10 ⁷ to 10 ⁹ switches depending on the load |
| Switching element | 1 x C.O., falling level |
| Protection class | II (totally insulated) |

| Mechanical data | |
|-------------------------|--|
| Bolting material | CuZn39Pb3 (CW614N) |
| Cable gland PG9 | Brass, nickel plated |
| Switching tube material | CuZn37 (CW508L) |
| Float material | POM |
| - density | about 0,7 g/cm ³ ±10 % |
| - depth of immersion | 18 mm ± 2 mm (to a fluid-density of 1 g/cm ³) |
| Grip screw material | CuSn8 (CW453K) |
| Gasket material | NBR and TPE |
| Ambient air temperature | -5 °C to +60 °C |
| Liquid temperature | -5 °C to +60 °C |
| Connection | Cable 3 x 0,5 mm ² x 1 m ± 5 %, PVC |
| Protection type | IP 65 acc to IEC529 / EN 60529 |
| Max. pressure | 10 bar |

| EU Conformity |
|------------------------------|
| acc. to directive 2006/95/EC |

| General details |
|---|
| <p>Repeatability of switching points is ±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 ±2 mm Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!</p> |

| 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> |