



Latching solenoids

Latching solenoids

Bermad latching solenoids are specially designed for reliable long life service in systems controlled by battery operated controllers.

The latching solenoids consume power only when switching positions, using a very short electric impulse. This prolongs life of batteries and enables solar recharging.

The solenoids can be used where long operating times are requested without continually being actuated because they cannot overheat.

The actuator of the S982 and S985 is neutralized from water damages by an isolating membrane, which hermetically isolates it from the water.



Subject to modifications.
No liability accepted for errors or misprints.



Latching solenoids

Technical data

Specifications:

- Max. temperature: 80 °C
- Connection: 1/8" NPT
- Working pressure: 0 - 10 bar
- Cable length: 80 cm
- Capacitor capacity: 4700µF
- Pulse length: 20 - 100 ms

Materials:

- Body: polyamide
- Rubbers: NBR
- Core/plunger: stainless steel 400
- Wet parts S392/S402: NBR, stainless steel 400 and polyamide
- Wet parts S982/S985: NBR and polyamide

- Orifice S392: Ø 1.6mm
- Orifice S402/S982/S985: Ø 2.2mm

Art. nr.	Voltage	Ω ¹	Wire color ²	Series
2-way				
2U208392	6 - 20 VDC	6	r / b	S-392-2
3-way				
2U208402	9 - 40 VDC	6	r / b	S-402-3
2U208982	12 - 50 VDC	4,2	r / b	S-982-3
2U208985	12 - 50 VDC	*	r / w / b	S-985-3

1: * = on = 4.2 Ω, off = 7.5 Ω

2: b = black

r = red

w = white

Switching:

S392: +red & -black: solenoid drains
-red & +black: solenoid puts under pressure

S402: +red & -black: solenoid drains
-red & +black: solenoid puts under pressure

S982: +red & -black: solenoid drains
-red & +black: solenoid puts under pressure

S985: +white & -red: solenoid drains
+white & -black: solenoid puts under pressure

Connections solenoid valve: (S402/S982/S985)

1: drain

2: valve control chamber

3: constant

