COMPARISON OF THE COIL TECHNOLOGIES

Meaning:

PWM stands for "pulse width modulation" and refers to a method of reducing power by means of electronically clocked DC voltage. With PWM, the power is controlled by switching the voltage on and off. This is done at short intervals, whereby the ratio between the time switched on (which is called pulse width) and the determines the degree of power reduction.

Summary:

Pulse width modulation is an energy-efficient method. However, this technique is associated with hidden costs and effort in terms of EMC and commissioning. In addition, the whistling noises of the frequency in can be disturbing in various applications.



Audible whistling noises



Suitable PWM plug required



Connector with PWM control easily loseable



EMC compensation for industrial standard



Long signal lines require additional **EMC** measures



PWM via PLC; Planning and documentation necessary



Holding voltage reduces the energy demand

VS.



Noises



Cable plug



Protection and placement of the electronics



Electromagnetic compatibility Building & Industry



Cable length



Commissioning costs



Power consumption

No noise generation

Any cable plug according to

EN standard 173301-803-A



Integration of the electronics in the coil

can be used



Full EMC conformity



Freely selectable cable length without EMC problems



Plug & Play



Min. 80% energy-saving



KICK AND DROP

Meaning:

Kick and Drop technology is an energy-efficient method of reducing power reduction in which two windings are connected in series. The first winding, the so-called inrush winding, opens the valve by means of a short current pulse. The second holding winding is connected in series approx. 0.5 s later. It reduces the power consumption and ensures the holding operation.

Summary:

The energy-saving Kick and Drop coil technology not only proves to be an energy-saving wonder, but even saves valuable space. The flexible and and noiseless use without additional hidden costs makes makes this technology a must have when it comes to efficiency and sustainability.

