

We care for actuation.



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PSM The efficient Multi-turn Actuator



1 Pad-lockable Local Control Unit for Parameterisation and Diagnostics

The large-size LCD display shows all important parameters and diagnostic data in a selfexplanatory and easily understandable way using symbols and/or plain text. The actuator status is also indicated remotely by 3 bright LEDs.

2 Automatic Commissioning

A clear configuration menu allows easy adjustment of the PSM to a valve and its travelling range. During normal operation, the smart electronic control unit monitors end positions and torque, and controls the actuation speed.

3 Mechanical Position Monitoring

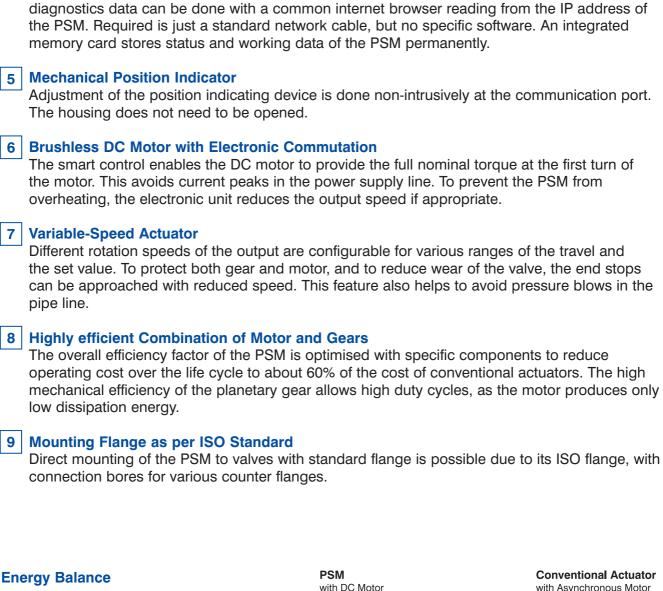
The 25-bit position sensor is absolute encoded and independent of any back-up battery, ensuring precise and permanent position monitoring even at loss of supply power. It works independently of the mechanical position indicator and does not need any adjustment over the full possible travel range.

Compact

Powerful



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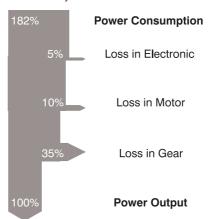
Alternatively to using the local control unit, adjustment of parameters and read-out of

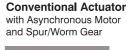
4 Communication Plug for Parameterisation via Web Interface

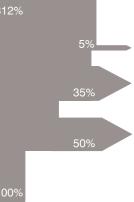
The electric energy consumed in a conventional electric multi-turn actuator with asynchronous motor and spur/worm gear is about three times the mechanical output energy.

For providing the same mechanical output energy, the PSM needs electric energy of less than double the output energy, resulting in energy and cost savings of about 40% over the whole working time.

with DC Motor and Planetary Gear







+ + +

+ + +

Efficient

+ + +

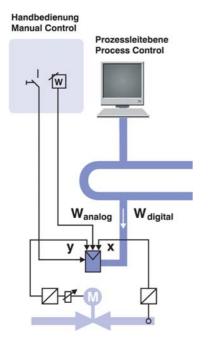
Reliable



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Optional Accessories

Integrated Process Controller PSIC



The optional process controller PSIC reads the signal of a sensor as actual process value, and positions the valve in accordance to a modulating or a programmable fixed set value.

Externally mounted Local Control Box



The local control box is available for remote mounting as an option. Easy manual operation of the valve as well as adjustment of all values is given even in case the actuator itself is mounted inaccessibly.

Fieldbus Interface



Interface modules for various field bus protocols are available.

ATEX Conformity



Special versions as per ATEX standards permit installation of the PSM in hazardous areas.

PS Automation GmbH

Gesellschaft für Antriebstechnik Philipp-Krämer-Ring 13 D-67098 Bad Dürkheim Tel.: +49 (0) 63 22 - 60 03 - 0 Fax: +49 (0) 63 22 - 60 03 - 20 eMail: info@ps-automation.com www.ps-automation.com Issue 05/2009