

SWITCHING POSITION MONITORING **SIL**

DESCRIPTION

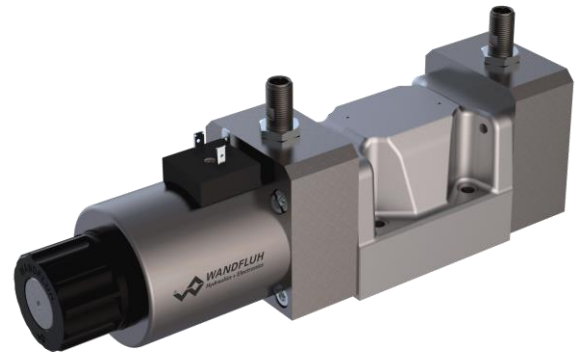
Very safe switching characteristics due to inductive switching technology

Wear-free operation of the inductive switches

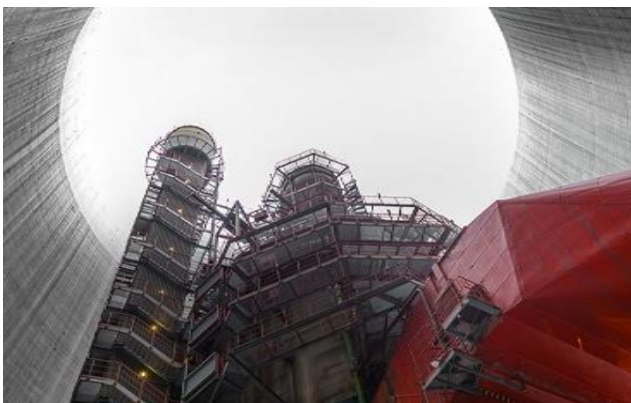
Simple or redundant execution possible

Very high longevity

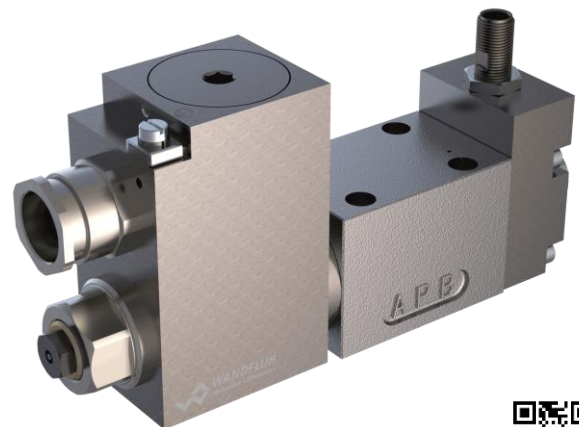
Thanks to the modular design of the Wandfluh product range, the spool and poppet valves of nominal sizes NG4, NG6 and NG10 can be supplemented with simple or redundant switching position monitoring. The inductive switching technology used offers a high level of safety due to its contactless and therefore wear-free switching characteristics.



Spool valve WDMFA10_Z



Application example steam flaps



Spool valve WDYFA06_Z104



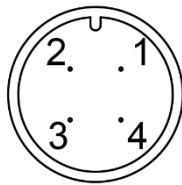
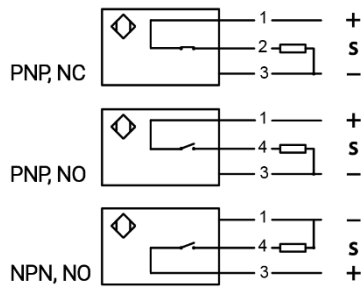
FIELDS OF APPLICATION

Proportional throttle valves are suitable for precise feed control. Very sensitive opening and closing characteristics allow smooth control of movements in stationary or mobile installations.

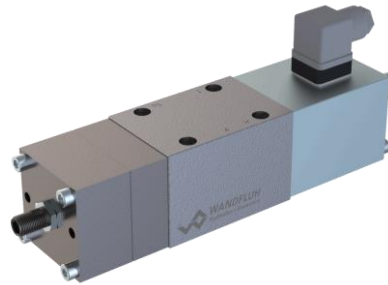
FUNCTIONAL SAFETY SIL

The ISO standard EN ISO 13849-1 ensures the functional safety of machines and safety-related parts of control systems worldwide. In addition, the Machinery Directive 2006/42/EC obliges machine manufacturers to carry out risk analyses. Possible risks during operation and maintenance are thus classified in risk classes of the individual machine functions. Classification in a high risk class may, for example, require redundant execution of parts of the control system. The risk classes determined must be taken into account when designing the machines. Wandfluh designs all hydraulic components according to the fundamental and proven safety principles of EN ISO 13849-2:2003 and the operating conditions of the components are documented in the technical data sheets.

CIRCUIT DIAGRAMS



FURTHER EXAMPLES



Different sizes and executions

