AS3-SV SERIES
EXHAUST VALVE WITH INTEGRATED SAFETY
Safety at maximum level

The redundant structure and two-channel signal processing with self-monitoring are key: With the new AS3-SV safety valve, users can achieve category 4 safety-relevant control while realizing the maximum performance level “e” (PLe) according to ISO 13849-1. 100% safe – as a modular, integrated solution or stand-alone.

Standardized safety for man and machine, even with short cycle times
The AS3-SV valve assumes the redundant exhaust safety function, as well as protection against unexpected pressurization, reducing risks significantly. The valve only activates compressed air supply when all conditions for a safe system start-up have been met. Protection against unexpected pressurization stops the cylinder from being actuated unintentionally, preventing potential accidents. In the event of a machine fault or emergency OFF, the valve exhausts the operating lines, ensuring a de-energized and thus safe state. The AS3-SV is ideal

- for use in door switches and light barriers,
- as a reliable output for a control, or
- as a safety module for emergency OFF applications.

Safe control for various applications
Thanks to the integrated safe electric inputs, pneumatic outputs, and control, no additional effort is required to implement safety electronics in the hardware and software.

Soft-start capabilities
With the additional soft-start function, the AS3-SV can slowly increase the operating pressure before switching to full working pressure. This soft start can be customized based on requirements, or disabled entirely.

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