

SAMSON SAMSOMATIC



Limit Switches and Solenoid Valves

















Technology for The Future

From the idea to the fully fledged product

High reliability and constant plant availability are not contradictory where SAMSOMATIC solenoid valves and limit switches are concerned. The intrinsically safe and flameproof versions have been added to our proven product line to provide a wide variety of tailor-made versions for any application.

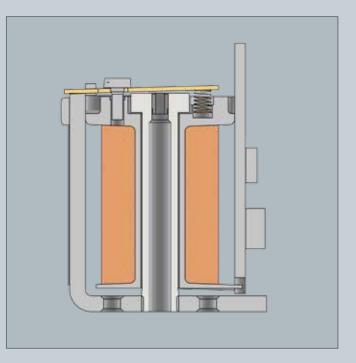
The electropneumatic binary converter, which has proven reliable in service a million times over, works together with a pneumatic booster and forms the heart of the solenoid valves. Due to their minimal power consumption, the solenoid valves can even be actuated using intrinsically safe fieldbus systems. This efficient power usage also reduces the amount of self-generated heat and cuts cost for an emergency power supply.





The solenoid values and limit switches are subjected to high quality demands and are suiteable for use in safty-instrumented systems.

Different switching functions, flow rates, and connection types allow the devices to be tailor-made to meet all customer requirements.



Type 3963 Solenoid Valve

Nominal signal	6, 12, 24 V DC or 24, 48, 115, 230 V AC
Power consumption	6 to 27 mW or 0.04 to 0.46 VA
Switching function	3/2-, 5/2-, 5/3- or 6/2-way function
K _{vs} coefficient	0.16 to 4.3
Material	Polyamide (pilot valve), aluminum or stainless steel (booster valve)
Attachment	Rail or wall mounting, direct attachment to linear actuators

using a connection block, attachment to linear actuators with NAMUR rib according to IEC 60534-6, attachment to rotary actuators with NAMUR interface according to VDI/VDE 3845



- Type of protection: intrinsic safety
- SIL safety function according to IEC 61508
- Certification for safety-related shut-off equipment
- Control of linear and rotary actuators







Type 3967 Solenoid Valve



Power consumption	6 to 27 mW
Switching function	3/2-, 5/2- or 5/3-way function
\mathbf{K}_{vs} coefficient	0.32 to 4.3
Material	Polyamide (pilot valve), aluminum or stainless steel (booster valve)
Attachment	Direct attachment to linear actuators using a connection block, attachment to linear actuators with NAMUR rib according to IEC 60534-6, attachment to rotary actuators with NAMUR

interface according to VDI/VDE 3845

- Type of protection: intrinsic safety
- SIL safety function according to IEC 61508
- Control of linear and rotary actuators







Type 3966 Solenoid Valve

Exi/Exd

Nominal signal	6, 12, 24, 120 V DC or 24, 120, 240 V AC
Power consumption	6 to 209 mW or 0.04 to 0.46 VA
Switching function	3/2-way function
K _{vs} coefficient	0.9
Material	Aluminum or stainless steel
Attachment	Direct attachment to linear actuator using a connection block, attachme to linear actuators with NAMUR rik

Direct attachment to linear actuators using a connection block, attachment to linear actuators with NAMUR rib according to IEC 60534-6, attachment to rotary actuators with NAMUR interface according to VDI/VDE 3845



- Type of protection: flameproof enclosure
- Type of protection: intrinsic safety
- Control of linear and rotary actuators







Type 3969 Solenoid Valve



Control of linear and rotary actuators





interface according to VDI/VDE 3845



Type 3930 Solenoid Valve

Nominal signal	24 V DC or 230 V AC	
Power consumption	3 W or 5 VA	0.0
Switching function	3/2 or 5/2-way function	<u> </u>
\mathbf{K}_{vs} coefficient	0.85	
Material	Polyamide (solenoid) and aluminum (valve body)	
Attachment	Attachment to rotary actuators with NAMUR interface according to VDI/VDE 3845	Without explosion protectionControl of linear and rotary actuators



Type 3941 Solenoid Valve



Noterial0.10MaterialPolyamide (solenoid) and stainless steel1.4305 (valve body)

- Attachment Threaded connection for pipe mounting
- Without explosion protection
- Control of linear and rotary actuators



Type 3776 Limit Switch

Exi

Limit switches	Max. 6 inductive proximity sensors or electric microswitches
Nominal signal	Solenoid valve: 6/12/24 V DC or 24/115/230 V AC
Power consumption	Solenoid valve: 6 to 27 mW or 0.04 to 0.46 VA
Switching function	Solenoid valve: 3/2-, 5/2- or 5/3-way function
K _{vs} coefficient	0.2 to 0.3
Material	Polyamide (enclosure), aluminum (booster valve)
Attachment	Attachment to linear actuators, attachment to rotary actuators with interface according to VDI/VDE 3845

- Type of protection: intrinsic safety
- SIL safety function according to IEC 61508
- Monitoring and control of linear and rotary actuators
- Adjustable limit contacts
- Integrated solenoid valve







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Type 4747 Limit Switch

Limit switches	Max. 2 inductive proximity sensors or electric microswitches
Material	Aluminum or stainless steel
Attachment	Direct attachment to linear actuators,

- attachment to linear actuators with NAMUR rib according to IEC 60534-6, attachment to rotary actuators with interface according to VDI/VDE 3845
- Type of protection: flameproof enclosure
- Type of protection: intrinsic safety
- Monitoring of linear and rotary actuators
- Adjustable limit contacts









SAMSON SAMSOMATIC



Production sites
Subsidiaries

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SMART IN FLOW CONTROL.