

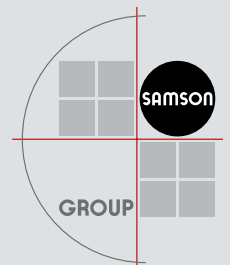
Safe with Automated On/off Valves

TROVIS SAFE 3730-6 and
TROVIS SAFE 3731-3 Positioners



- SIL certification
- Emergency venting
- Integrated diagnostic functions
- Partial stroke testing to increase plant availability
- Full stroke testing to assess the dynamic control response
- Preset parameters for on/off service
- HART® communication

TROVIS SAFE



Technical data

	TROVIS SAFE 3730-6	TROVIS SAFE 3731-3
Attachment	Linear actuators: SAMSON integral attachment, IEC 60534-6-1, VDI/VDE 3847 Rotary actuators: VDI/VDE 3845	Linear actuators: SAMSON integral attachment, IEC 60534-6-1 Rotary actuators: VDI/VDE 3845
Travel	Adjustable from 3.6 to 300 mm	Adjustable from 3.6 to 200 mm
Opening angles	Adjustable between 24 and 100°	Adjustable between 24 and 100°
Set point	4 to 20 mA	4 to 20 mA
Signal pressure (output)	0 bar up to the capacity of the supply pressure, can be limited by software	0 bar up to the capacity of the supply pressure, can be limited by software
Characteristics	3 characteristics for globe valves, 2 characteristics for rotary valves, user-defined	3 characteristics for globe valves, 2 characteristics for rotary valves, user-defined
Explosion protection	Intrinsic safety, non-sparking equipment	Flameproof enclosure
Certification according to IEC 61508/SIL	Suitable for use in safety-instrumented systems according to IEC 61511 up to SIL 2 (single device/HFT = 0) and SIL 3 (redundant configuration/HFT = 1)	
Electrical connections	One M20 x 1.5 cable gland for 6 to 12 mm clamping range, second M20 x 1.5 threaded connection additionally exists	Two threaded holes ½ NPT or optionally M20 x 1.5
Pneumatic connections	G ¼ or ¼ NPT	G ¼ or ¼ NPT
Degree of protection	IP 66	IP 66
Materials	Die-cast aluminum, chromate coating and powder paint coated Special version: stainless steel 1.4581	Die-cast aluminum, chromate coating and powder paint coated
Options	Software limit contacts ¹⁾ , inductive limit contact, fault alarm output ¹⁾ , solenoid valve, forced venting, binary input, analog position transmitter, leakage sensor, external position sensor	Software limit contacts, fault alarm output, forced venting, binary input, analog position transmitter

¹⁾ Standard

