



Limit Switch Box SRBG



Highlights

- Inductive double sensor
- Direct mounting on quarter turn actuators
- Compact and stable
- M12 plug or terminal housing
- Switching output: PNP, NAMUR, 2-wire DC, AS-Interface
- cULus Listed, CCC Listed, General Purpose
- Intrinsically safe versions to IECEx and CCCEX
- SIL 2 in accordance with IEC 61508
- For swivel ranges from 0 ... 180°

The limit switch box SRBG is a flexible and versatile solution when it comes to the optical position indication and electrical position sensing of automated or manually actuated process valves. It can be easily and directly mounted without other accessories, and require minimal space.

Quick and easy mounting and commissioning

Direct mounting on quarter turn actuators with a mounting interface to VDI/VDE 3845 does away with the need for adjustment thanks to mounting holes in the sensor housing. Different actuator sizes, directions of rotation and swivel ranges are possible with just three actuating elements.

Reliable operation

Thanks to easily legible LED indicators for switching status, supply voltage and solenoid

valve output. Various intrinsically safe variants are available for use in explosion-proof areas.

Very flexible and suitable for many mounting situations

Wide range of electrical connection options thanks to a choice of versions with M12 plug or terminal housing. SRBG- ... -M12 offers a space-saving and compact sensor connection via an M12 plug. SRBG- ... -C2 offers a terminal housing for connecting a sensor and solenoid valve. This reduces the assembly effort required and the cabling costs,

since the solenoid valve can be actuated directly via the sensor connection. A further plus: in addition to various PNP, NAMUR and 2-wire DC switching outputs, versions with AS-Interface for easy and cost-effective networking of sensors and solenoid valves are also available.



Additional information:

Product page

> www.festo.com/catalogue/srbg



Technical data



SRBG- ... -M12



SRBG- ... -C2

General technical data

Measuring principle	Inductive dual sensor	
Mounting	Direct mounting on quarter turn actuators with interface to VDI/VDE 3845	
Electrical connection	M12 plug connector (AS-Interface version)	Terminal compartment
Solenoid valve connection	M12 socket	Terminal compartment
Switching outputs	PNP NAMUR 2-wire DC AS-Interface	PNP NAMUR 2-wire DC

Operating and environmental conditions

Housing protection class	IP67
ATEX ignition protection type	II 1G Ex ia IIC T6 (NAMUR version)
Safety Integrity Level [SIL] to IEC 61508	Up to SIL 2 (NAMUR version)
Approval	cULus Listed, General Purpose
Ambient temperature	-25 ... +70 °C -25 ... +100 °C (NAMUR version)

Information on materials

Housing	PBT
Screws	Stainless steel



SASF-S2-B-V-A20



SASF-S2-B-F-A34



SASF-S2-B-F-A56

General technical data

Actuating elements	2 actuating elements, infinitely adjustable within a radius of 180°	4 actuating elements, fixed at an offset of 90°
Swivel range sensing	0 ... 180°	90°
Direction of rotation of the quarter turn actuators	Suitable for anticlockwise and clockwise actuators	
Mounting hole pattern	80 x 30 mm	130 x 30 mm
Shaft height	20 mm	20 and 30 mm
		30 and 50 mm

Operating and environmental conditions

Ambient temperature	-25 ... +70 °C
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Material data

Housing	PA
Actuating lug	Stainless steel
Screws	Stainless steel

