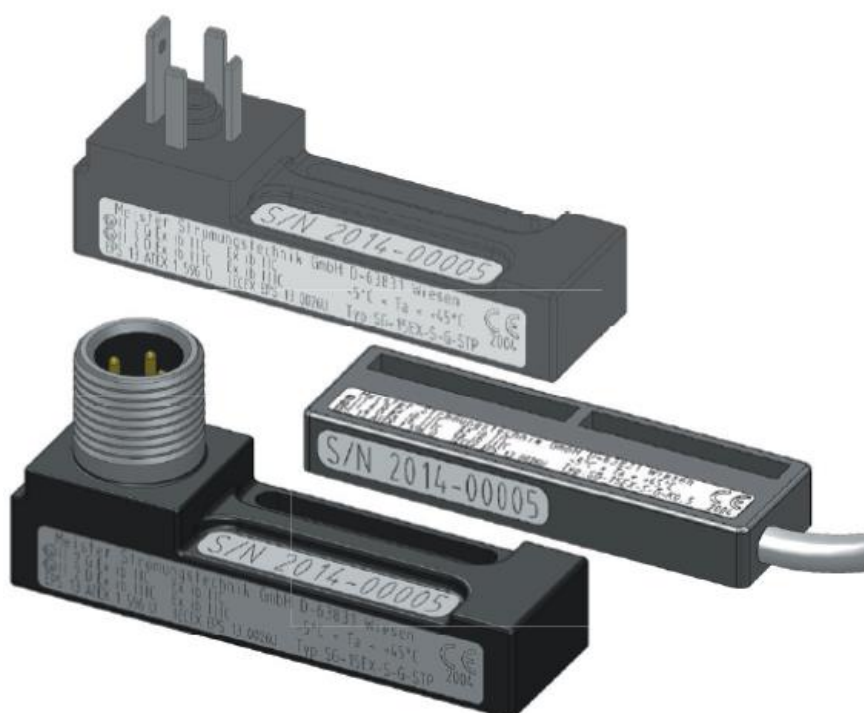




Switch contact SG-15EX

EX switch contact for small variable area flowmeters



D-EN-SG15EX-20200204

- EX version according to ATEX
- For use in zones 1, 2, 21 and 22



Switch contact SG-15EX

EX switch contact for small variable area flowmeters

Characteristics

- Execution according to Atex
- For use in zones 1, 2, 21 and 22

Assembly instructions

- The operating instructions for the flow meter / flow monitor must be observed
- Download: www.schmidt-messtechnik.de

Application

The switch contact is used on mechanical flow meters for electrical monitoring of flow limit values for connection to certified intrinsically safe circuits

Monitoring of flow limit values in potentially explosive areas

Possible combinations			
Type	Measuring range	Version	Application
RVO/U-2	0,2...0,5 l/min to 12...28 l/min	with sight glass	for liquids
RVO/U-4	0,005...0,06 l/min to 1...5 l/min	with sight glass	for liquids
RVM/U-2	0,02...0,2 l/min to 8...30 l/min	full metal construction	for liquids
RVM/UA-2	0,02...0,2 l/min to 8...30 l/min	full metal construction	for liquids
RVM/U-4	0,005...0,06 l/min to 1...5 l/min	full metal construction	for liquids
RMU-A	2,5...11,0 l/min to 5,0...15,5 l/min	full metal construction	for liquids
RMU/B	0,4...2,1 l/min to 8,5...18,5 l/min	full metal construction	for liquids
RVO/U-L2	3...12 NI/min to 120...480 NI/min	with sight glass	for air
RVO/U-L4	0,2...1,3 l/min to 10...42 l/min	with sight glass	for air
RVM/U-L2	2,5...10 NI/min to 140...525 NI/min	full metal construction	for air
RVM/U-L4	0,6...2,2 NI/min to 20...80 NI/min	full metal construction	for air
DKM-2	0,5...1,6 l/min to 2...7 l/min	full metal construction	for viscous media
DKM/A-2	0,5...1,6 l/min to 2...7 l/min	full metal construction	for viscous media
DKG-2	0,5...1,7 l/min to 2,5...8,0 l/min	with sight glass	for viscous media

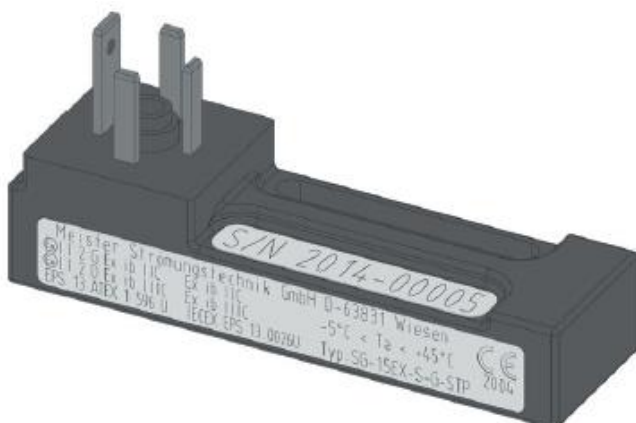


Switch contact SG-15EX

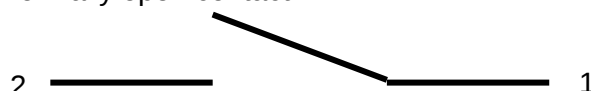
EX switch contact for small variable area flowmeters

Electrical diagrams

Connector DIN 43650



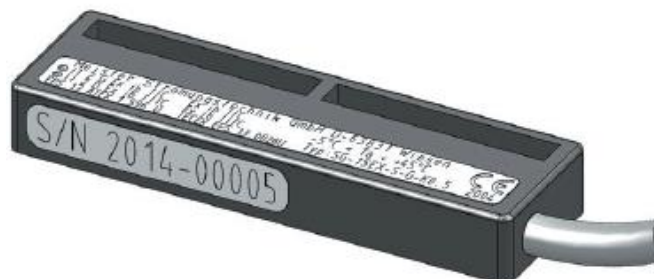
Normally open contact



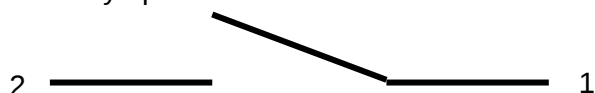
Change over contact



Cable



Normally open contact



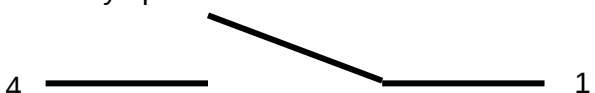
Change over contact



Connector M12



Normally open contact



Change over contact



D-EN-SG15EX-20200204



Switch contact SG-15EX

EX switch contact for small variable area flowmeters

Electrical data					
Connection to certified intrinsically safe circuits					
LI = 0			CI = 0		
Gas			Dust		
Ui	Ii	Pi	Ui	Ii	Pi
<12,1 V	1,0 A	3,0 W	<12,1 V	0,25 A	0,75 W
<20 V	0,309 A	1,55 W	<20 V	0,25 A	0,75 W
<25 V	0,158 A	0,99 W	<25 V	0,25 A	0,75 W
<30 V	0,101 A	0,76 W	<30 V	0,25 A	0,75 W

Protection class	IP65: Male connector DIN 43650 Form C or male connector M12x1 IP67: 1 m molded cable
Output signal	The contact opens / changes when the flow falls below the set switching point.
Voltage supply	Not required (potential-free reed contacts)
Label	 II 2 G Ex ib IIC II 2 D Ex ib IIIC
Operation temperature	-5 °C < T _{Service} > 45 °C
Type examination	EPS 13 ATEX 1 596 U

Important instructions!

Technical changes and errors reserved.

Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.