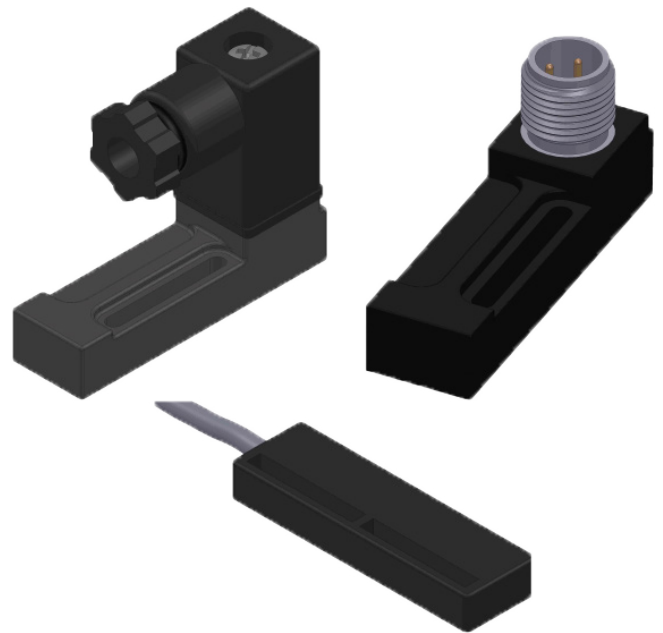


## Switch Contact

# SG-15

# ATEX



## OVERVIEW

### Operating principle

- Reed contact

### Application

- The switch contact is for use on mechanical flow meters for the electronic monitoring of flow limits.

### Features

- Normally open or Change over
- Bi-stable switching behavior within the specified measuring range
- Sealed housing IP 65 or IP67 (depending on connection)

### Connection options

- Connector in compliance with EN 175301-803, Form C
- Connector M12x1
- Cable

### Notice

- Refer also to the Data Sheets and Operating Instructions of the respective flow sensor!
- **Download: [www.meister-flow.com](http://www.meister-flow.com)**

## OPERATING DATA

### Operating temperature

#### ATEX

#### EN 175301-803

-5 °C – 45 °C

#### Cable

-5 °C – 45 °C



#### M12x1

-5 °C – 45 °C

## COMBINATION OPTIONS

Media	Device	
H <sub>2</sub> O	RVM/U-2	RVM/U-4
	RVM/UA-2	
	RVO/U-2	RVO/U-4
Oil	DKG-2	
	DKM-2	
	DKM/A-2	
Air	RVM/U-L2	RVM/U-L4
	RVM/UA-L2	
	RVO/U-L2	RVO/U-L4

### Categorization of the electrical component of limit switch:

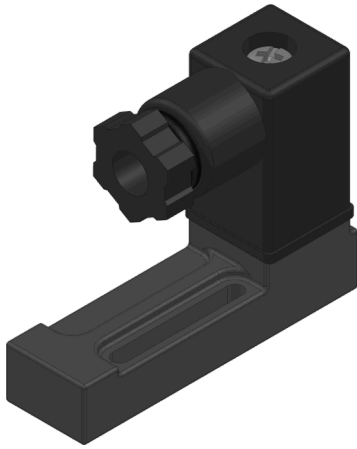
-  II 2G Ex ib IIC
-  II 2D Ex ib IIIC

### Definition

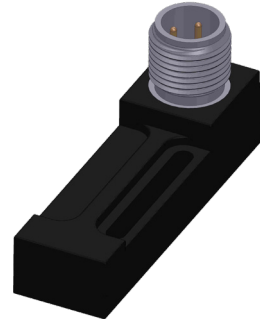
- Device group:  
II
- Device category:  
2
- Atmosphere:  
Gas (G)  
Dust (D)
- Explosion group:  
IIC (Gas)  
IIIC (Dust)
- Ignition protection class (Gas):  
ib (Intrinsic safety)

# CONNECTION OPTIONS

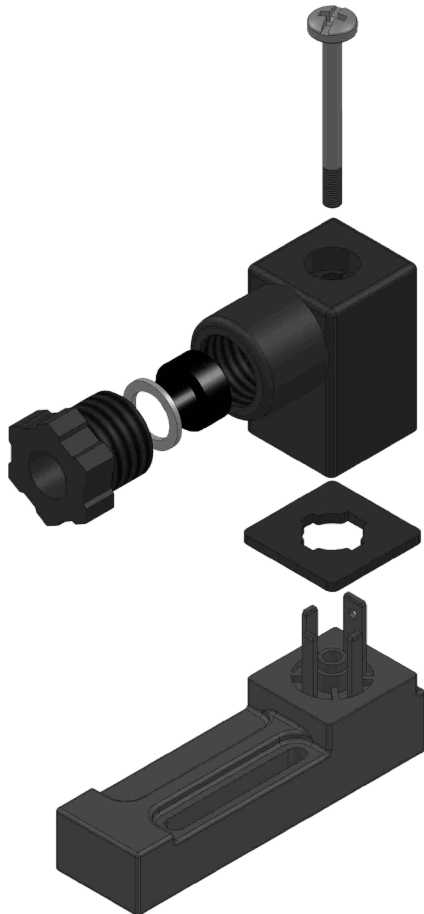
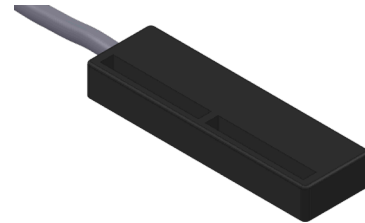
Connector in compliance with EN 175301-803



Connector M12x1



Cable



## ELECTRICAL DATA

### Gas

Ui	Ii	Pi
<12,1 V	1,0 A	3,0 W
<20 V	0,309 A	1,55 W
<25 V	0,158 A	0,99 W
<30 V	0,101 A	0,76 W
Li = 0		
Ci = 0		

### Dust

Ui	Ii	Pi
<12,1 V	0,250 A	0,75 W
<20 V	0,250 A	0,75 W
<25 V	0,250 A	0,75 W
<30 V	0,250 A	0,75 W
Li = 0		
Ci = 0		

## ELECTRICAL CONNECTION

- Connector in compliance with EN 175301-803, Form C (DIN 43650, Form C)
- Connector M12x1
- Cable (1, 5, 10m)<sup>(3)</sup>

### Ingress Protection

IP65: Connector in compliance with EN 175301-803, Form C or Connector M12x1

IP67: Cable

### Output signal

The contact opens / changes when the flow decreases below the set point.

### Power supply

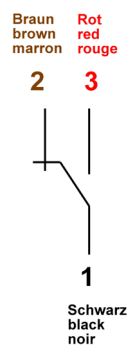
Not required (potential-free reed contacts)

<sup>(3)</sup> Available only as Normally Open Contact (NOC)

## CONNECTION DIAGRAM

### Connector in compliance with EN 175301-803 and cable

Change over (COC)



Normally open (NOC)



### M12x1

Change over (COC)



Normally open (NOC)



Pin-assignment

