

## Switch Contact

# SG-30

# 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 IP67

### Connection options

- 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

**T5 Cable** -20 °C – 90 °C

**T6 Cable** -20 °C – 75 °C

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

-  ATEX II 2 G Ex mb IIC T6 Gb & ATEX II 2 D Ex tb IIIC T80 °C Db
-  ATEX II 2 G Ex mb IIC T5 Gb & ATEX II 2 D Ex tb IIIC T100 °C Db

### Definition

- Device group:  
II
- Device category:  
2
- Atmosphere:  
Gas (G)  
Dust (D)
- Explosion group:  
IIC (Gas)  
IIIC (Dust)
- Ignition protection class (Gas):  
mb (Encapsulation, application in zone 1 und 2)
- Ignition protection category (Dust):  
tb (protection by enclosure, application in zone 21 und 22)
- Temperature class (Gas):  
T5, T6
- Maximum permissible surface temperature (Staub):  
T 80 °C, T100°C
- EPL (Equipment Protection Level):  
Gb (Gas), Db (Staub)

## COMBINATION OPTIONS

Media	Device	
H <sub>2</sub> O	DUG	DWG
	DWM	DWM/A
	DUM	DUM/A
	RVM/U-1	RVM/U-2
	RVM/UA-1	RVM/UA-2
	RVO/U-1	
	WBMC	
	RVM/UM	

Oil	DKG-1	
	DKM-1	DKM-2
	DKM/A-1	DKM/A-2
	DKME-1	DKME/A-1

Air	DWG-L	
	DWM-L	DWM/A-L
	RVM/U-L1	RVM/U-L2
	RVM/UA-L1	RVM/UA-L2
	RVO/U-L1	

## CONNECTION OPTIONS

### Cable



## ELECTRICAL DATA

<b>(T5) Change over (COC)</b>	250V · 1A · 30VA <sup>(1)</sup>
<b>(T5) Normally open (NOC)</b>	250V · 2A · 60VA
<b>(T6) Change over (COC)</b>	250V · 1A · 30VA <sup>(1)</sup>
<b>(T6) Normally open (NOC)</b>	250V · 2A · 60VA

<sup>(1)</sup> Mindestlast 3VA

## ELECTRICAL CONNECTION

– Cable (2, 5, 10m)

### Ingress Protection

IP67: Cable

### Output signal

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

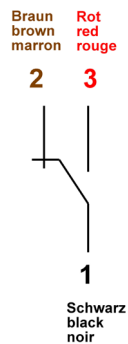
### Power supply

Not required (potential-free reed contacts)

## CONNECTION DIAGRAM

### Cable

Change over (COC)



Normally open (NOC)

