



Switch Contact SG-30

Reed contact



- The switch contact is intended for use with mechanical flow meters and serves to electrically monitor flow limits.



Switch Contact SG-30

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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.schmidt-messtechnik.de

Operating data

Operating temperature standard

| | |
|---------------|-----------------|
| EN 175301-803 | -20 °C – 120 °C |
|---------------|-----------------|

| | |
|-------|-----------------|
| Cable | -20 °C – 120 °C |
|-------|-----------------|

| | |
|-------|----------------|
| M12x1 | -20 °C – 85 °C |
|-------|----------------|

High temperature version

| | |
|---------------|-----------------|
| EN 175301-803 | -20 °C – 160 °C |
|---------------|-----------------|

| | |
|-------|-----------------|
| Cable | -20 °C – 160 °C |
|-------|-----------------|

For switch contacts in explosion-proof design according to ATEX directive, , changed operating data apply. Refer to data sheet for SG-30 EX!
For UL Recognized devices, changed operating data apply. Refer to data sheet for SG-30 UL!

Combination options

| Media | Device | |
|------------------|----------|----------|
| H ₂ O | DUG | DWG |
| | DWM | DWM/A |
| | DUM | DUM/A |
| | RVM/U-1 | RVM/U-2 |
| | RVM/UA-1 | |
| | RVO/U-1 | |
| | WBM | WBMC |
| 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 |
| | RVO/U-L1 | |



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Connection options

Connector in compliance with EN 175301-803



Connector M12x1



Cable



D-EN-SG30-20200519



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| Electrical data | |
|--|---|
| Change over (COC) Normally open (NOC) | 250V · 1,5A · 50VA (1) 230V · 3A · 60VA |
| Change over M12x1 (-20 °C – 85 °C) Normally open M12x1 (-20 °C – 85 °C) | 250V · 1,5A · 50VA (1) 250V · 3A · 100VA |
| Change over PLC (COC) | 250V · 1A · 60V |
| (1) Minimum load 3VA | |

Electrical connection

- Connector in compliance with EN EN 175301-803, Form A (DIN 43650, Form A)
- Connector M12x1, 4-pin
- Cable (1 m)

Ingress protection

IP65: Connector in compliance with EN 175301-803, Form A

IP67: Cable or connector M12x1

Output signal

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

Power supply

Not required (potential-free reed contacts)



Switch Contact SG-30

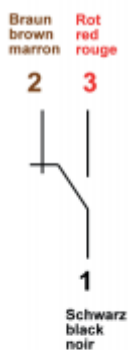
Reed contact

Connection diagram

Connector in compliance with EN 175301-803 and cable

M12x1

Change over (COC)



Change over (COC)



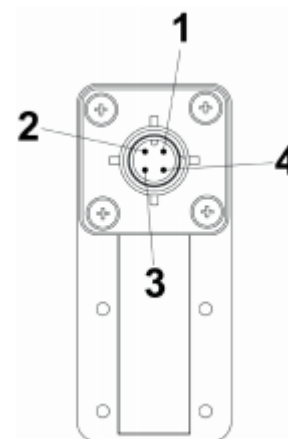
Normally open (NOC)



Normally open (NOC)



Pin-assignment



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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.