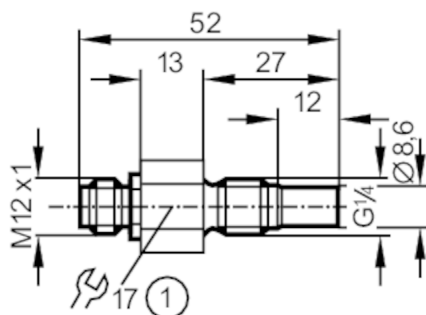


SF2405



Flow sensor for connection to an evaluation unit

SFR14XBK/US-100



1 tightening torque max. 8 Nm



Product characteristics

| | | |
|--------------------|------|-----------------------|
| Probe length L | [mm] | 12 |
| Process connection | | G 1/4 external thread |

Application

| | | |
|--------------------|-------|---------------------------|
| Media | | Liquids; aggressive media |
| Medium temperature | [°C] | 5...70 |
| Pressure rating | [bar] | 30 |

Liquids

| | | |
|--------------------|------|--------|
| Medium temperature | [°C] | 5...70 |
|--------------------|------|--------|

Electrical data

| | | |
|-------------------------------|--|--------|
| Connection to control monitor | | VS3000 |
|-------------------------------|--|--------|

Measuring/setting range

| | | |
|----------------------|--------|--------|
| Probe length L | [mm] | 12 |
| Liquids | | |
| Setting range | [cm/s] | 3...60 |
| Greatest sensitivity | [cm/s] | 3...40 |

Accuracy / deviations

| | | |
|----------------------|---------|---|
| Temperature gradient | [K/min] | 7 |
|----------------------|---------|---|

Response times

| | | |
|---------------|-----|--------|
| Response time | [s] | 2...20 |
|---------------|-----|--------|

Liquids

| | | |
|---------------|-----|--------|
| Response time | [s] | 2...20 |
|---------------|-----|--------|

Operating conditions

| | | |
|------------|--|-------|
| Protection | | IP 67 |
|------------|--|-------|

Tests / approvals

| | | |
|----------------------|-----------------|---------------------|
| Shock resistance | DIN IEC 68-2-27 | 40 g (11 ms) |
| Vibration resistance | DIN IEC 68-2-6 | 10 g (55...2000 Hz) |
| MTTF | [years] | 8648 |

Mechanical data

| | | |
|--------|-----|------|
| Weight | [g] | 41.5 |
|--------|-----|------|

SF2405



Flow sensor for connection to an evaluation unit

SFR14XBK/US-100

| | |
|-----------------------------|---|
| Housing | threaded type |
| Materials | ceramics (99.7 % Al ₂ O ₃) |
| Materials (wetted parts) | ceramics (99.7 % Al ₂ O ₃) |
| Process connection | G 1/4 external thread |
| Installation length EL [mm] | 27 |

Accessories

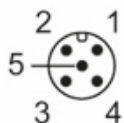
| | |
|----------------|-------------------|
| Items supplied | sealings: 1, PTFE |
|----------------|-------------------|

Remarks

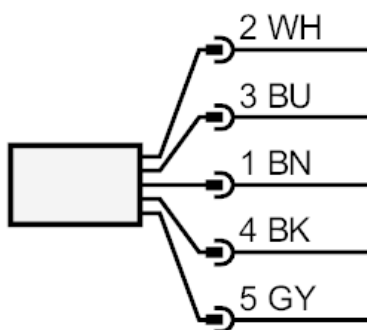
| | |
|---------------|---|
| Remarks | For sealing use the supplied PTFE packing washer. |
| Pack quantity | 1 pcs. |

Electrical connection

Connector: 1 x M12; coding: A; Maximum cable length: 100 m



Connection



| | |
|------|----------------|
| | Core colours : |
| BN = | brown |
| BU = | blue |
| BK = | black |
| WH = | white |
| GY = | grey |