

FLOW CONTROLLER

Ex - Sensors Zone 0 - 1 - 1/120 °C

SN 4600

Series STS und ST

Ex II 1/2 G EEx ia IIC T6

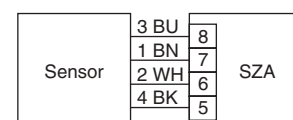
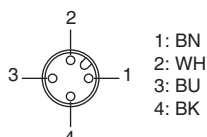
Ex II 2 G EEx ib IIC T6

Category 1 / Category 2

G1/2 thread



| Design | G1/2 | | | | |
|---|--|-----------|--------------------------------|---|----------------------------------|
| Dimensions | | | | | |
| Detection range [cm/s] | Water 1...100 / Oil 3...200 | | | | |
| Sensor length [mm] | 48 | 48 | 48 | 48 | 48 |
| | Fixed cable | Plug | Fixed cable | Plug | Fixed cable |
| Type | SN 4603, SN 4604 | | | | SN 4605 |
| | STS 103 K | STS 103 S | ST 103 K | ST 103 S | ST 103 KH |
| Medium temperature [°C] | -20...+60 | | -20...+85 | | +10...+120 |
| Zone | 0 | | 1 | | 1 |
| Ex marking | II 1/2 G EEx ia IIC T6 | | II 2 G EEx ib IIC T6 | | II 2 G EEx ib IIC T6 |
| Certificate No. | TÜV 98 ATEX 1298 X | | TÜV 97 ATEX 1218 | | TÜV 97 ATEX 1218 |
| Ambient temperature [°C] for temperature classes | T6: 45 T4: 60 T5: 60 T3: 60 | | T6: 50 T4: 85 T5: 65 T3: 85 | | T6: 50 T4: 100 T5: 65 T3: 120 |
| Maximum values | Pi = 0.69W Ci = negligibly small Li = negligibly small | | | | |
| Temperature gradient [K/min] | 250 | | | | |
| Start-up time typ. [s] | 8 (2...18) | | | | |
| Reaction time typ. [s] | 2 (1...13) | | | | |
| Compressive strength [bar] | 60 | | | | |
| Sensor material | AISI 316 Ti • different materials on request | | | | |
| Protection [EN 60529] | cable: IP 68 / plug: IP 67 | | | | |
| Connection | 2 m PUR-cable 4x0.25 mm ² / M12-plug system | | | 2 m FEP-cable 4x0.25 mm ² | |



Notice For the connection to amplifiers SZA..., SEA..., see page 1.62 - 1.65