

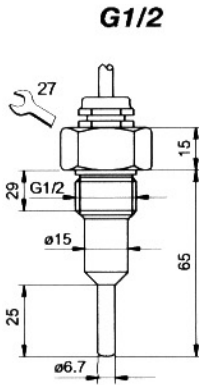
AIR FLOW CONTROLLERS



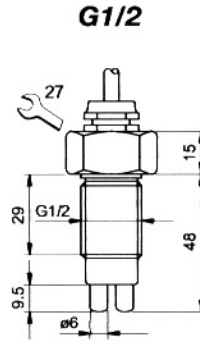
Ex - Sensors Zone 1 and Zone 0

Sensors for use in hazardous areas

- Flow control
- Adjustable above and below set-point
- Flow failure monitoring
- For mounting in pipes and exhaust shaft



ST...212...



ST...215...

EEx ia IIC T6 Zone 0

TYPE	ID-NO.
STS 212 K	P11152
STS 212 S	P11206
STS 215 K	P11153
STS 215 S	P11207

EEx ib IIC T6 Zone 1

TYPE	ID-NO.
ST 212 K	P11154
ST 212 S	P11208
ST 215 K	P11155
ST 215 S	P11209

EEx ib IIC T6 Zone 1 120 °C

TYPE	ID-NO.
ST 212 KH	P11210
ST 215 KH	P11212

Connection

- K = Fixed cable 2 m PUR
 KH = Fixed cable 2 m PTFE
 S = Universal plug M12 SB...

Combinations sensors-amplifiers

ST...	SEA 400 Ex	SEA 401 Ex	SZA 400 Ex
	●	●	●

AIR FLOW CONTROLLERS

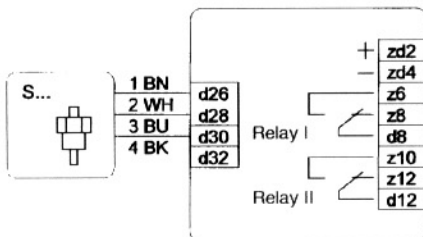


Ex - Sensors Zone 1 and Zone 0

Technical Data

		Zone 0	Zone 1	Zone1 120 °C
Confirmations of conformity		TÜV 98 ATEX 1298X	TÜV 97 ATEX 1218	
Sign		EEx ia IIC	EEx ib IIC	
Internal inductivity			negligible small	
Internal capacity			negligible small	
Temperature classes			max. Medium temperature	
T6	[°C]	45	50	50
T5	[°C]	60	65	65
T4	[°C]	60	85	100
T3	[°C]	60	85	120
Detection range				
Air	[m/s]		2...20	
Temperature range	[°C]	-20...+60	-20...+85	+10...+120
Temperature gradient				
ST...212...	[°C/min]		1	
ST...215...	[°C/min]		10	
Stand-by time				
ST...212...	[s]		10...40	
ST...215...	[s]		5...20	
Protection (EN 60529)				
Fixed cable			IP 68	
Plug			IP 67	
Compressive strength	[bar]		10	
Material Sensor			AISI 316 Ti, other material on request	
Tightening torque thread	[Nm]		100	
Connection cable version			2 m PUR blue	2 m PTFE blue
			4 x 0.25 mm ²	4 x 0.25 mm ²
Connection plug version			Universal plug system M12, SB...	

Connection SE.../SEA...



Connection SZA...

