Air flow sensors without amplifier for explosive areas | STS 212 S

- G1/2 screw-in sensor for flow monitoring in gaseous media
- ATEX approval for operation in Zone 0 and Zone 20
- ATEX approval for operation in Ex separation wall Zone 0/1
- Medium temperature up to 85 °C
- Corrosion-proof stainless steel housing AISI 316 Ti
- Immersion depth 65 mm
- M12 plug system
- Installation in T-piece or welding sleeve
- Needs ATEX certified amplifier with analogue or switching output
- Observe special conditions for safe use



G1/2 - sensor length 65 mm - Ex-Zone 0/20 - M12 connector

TYPE	STS 212 S
Product ID	P11206
Medium	air
Detection range air	2 m/s ... 25 m/s
Process connection	G1/2
Sensor length L	65 mm
Output	output with separate amplifier
Ex area uf use	installation in partition wall Zone 0/1, Zone 0, Zone 20
ATEX Certificate	TÜV 98 ATEX 1298 X
Marking gas Ex for partition wall mounting	Ex II 1/2 G Ex ia IIC T4...T3 Ga/Gb
ATEX marking gas	Ex II 1 G Ex ia IIC T6...T3 Ga
ATEX Marking dust	Ex II 1 D Ex ia IIIC T145°C Da
Temperature range in T4	-20 °C ... 70 °C
Temperature range in T3	-20 °C ... 85 °C
Temperature range dust-Ex	-20 °C ... 85 °C
Maximum values	Ui = 13.65 V / Ii = 200 mA / Pi = 0.69 W / Ci = 0.45 nF / Li = 1.80 µH
Start-up time typ.	10 s ... 40 s

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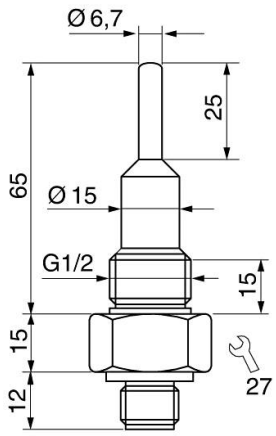
Reaction time typ.	5 s(2 s ... 30 s)
Compressive strength	10 bar
Material sensor touched by medium	stainless steel AISI 316 Ti
Material housing	stainless steel AISI 316 Ti, brass, PA
Protection [EN 60529]	IP 67
Electrical connection	M12 connector
Accessories (in scope of delivery)	2 x gasket G1/2 AFM 34
Associated amplifiers	SZAb 400 EX-GR, SZAb 400 EX-WR115, SZAb 400 EX-WR230, SZAb 400 EX-GA

Technical Image



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