

- Probe • Device category 1G/2G and 1D

Series STS

-Device category 1G/2G
Installation in partition wall
Zone 0 / Zone 1 (gas)

-Device category 1D
Installation in Zone 20 (dust)



Design		G1/2	
Dimensions			
Detection range	[m/s]	air 2...25	air 2...25
Sensor length	[mm]	48	48
Connection		fixed cable	plug
ID-No.		P11153	P11207
Type		STS 215 K	STS 215 S
Ex area of use		Gas: Partition wall Zone 0 / Zone 1 / Dust: Zone 20	
Certificate No.		TÜV 98 ATEX 1298 X	
Ex marking		Gas: II 1/2 G Ex ia IIC T6 Ga/Gb	Dust: II 1 D Ex ia IIIC T105 °C Da
Ambient temperature and medium temperature	[°C]	Gas:	T6: $-20 \leq T_a \leq +35$ T5: $-20 \leq T_a \leq +50$ T4: $-20 \leq T_a \leq +60$ T3: $-20 \leq T_a \leq +60$
		Dust:	$-20 \leq T_a \leq +60$
Maximum values		$U_i = 13.65 \text{ V} / I_i = 200 \text{ mA} / P_i = 0.69 \text{ W} / C_i = 0.27 \text{ nF} / L_i = 1.30 \text{ } \mu\text{H}$	
Start-up time typ.	[s]	5...20	
Reaction time typ.	[s]	3 (2...30)	
Compressive strength	[bar]	10	
Housing material		AISI 316 Ti • different materials on request	
Protection	[EN 60529]	IP 67	IP 67
Connection		2 m PUR-cable 4x0.25 mm ²	M12 connector
		Messfühler Probe	SZA
Note:		(probes with cable length > 2 m are available on request) for the connection to amplifier SZA..., page 1.94	