

Air Flow Sensors



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

Series STS

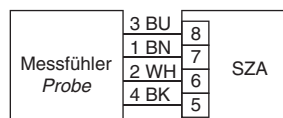
Ex - Device category 1G/2G
Installation in partition wall
Zone 0 / Zone 1 (gas)

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

Extended temperature range



Design	G1/2	
Dimensions		
Detection range [m/s]	air 2...25	
Sensor length [mm]	48	
Connection	fixed cable	
ID-No.	P11212	
Type	STS 215 KH	
Ex area of use	Gas: Partition wall Zone 0 / Zone 1 / Dust: Zone 20	Gas: Zone 1 / Dust: Zone 21
Certificate No.	TÜV 98 ATEX 1298 X	
Ex marking	Gas: Ex II 1/2 G Ex ia IIC T6 Ga/Gb	Dust: Ex II 1 D Ex ia IIIC T105 °C Da
Ambient temperature and medium temperature [°C]	Gas: T6: -20 ≤ Ta ≤ +35 T5: -20 ≤ Ta ≤ +50 T4: -20 ≤ Ta ≤ +60 T3: -20 ≤ Ta ≤ +60 Dust: -20 ≤ Ta ≤ +60	Gas: T6: +10 ≤ Ta ≤ +35 T5: +10 ≤ Ta ≤ +50 T4: +10 ≤ Ta ≤ +85 T3: +10 ≤ Ta ≤ +120 Dust: -20 ≤ Ta ≤ +85
Maximum values	Ui = 13.65 V / li = 200 mA / Pi = 0.69 W / Ci = 0.27 nF / Li = 1.30 µH	
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	
Connection	2 m FEP-cable 4x0.25 mm²	



(probes with cable length > 2 m are available on request)

Note: for the connection to amplifier SZA..., page 1.94