

Ex - Probe • Category 1/2 - 1 • Zone 0/1 - 20

Series STSEX

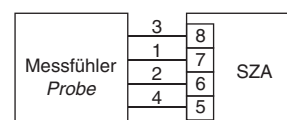
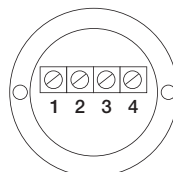
Ex -Device category 1G/2G
Installation in partition wall
Zone 0 / Zone 1 (gas)

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

Terminal clamps



Design	G3/4	NPT3/4
Dimensions		
Detection range [cm/s]	water 1...100 / oil 3...200	water 1...100 / oil 3...200
Sensor length [mm]	68	68
Connection	terminal clamps	terminal clamps
ID-No.	P11268	P11269
Type	STSEX 01	STSEX 02
Ex area of use	Gas: Partition wall Zone 0 / Zone 1 / Dust: Zone 20	
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 T100 °C Da	
Ambient temperature and medium temperature [°C]	Gas: T6: $-20 \leq T_a \leq +40$ T5: $-20 \leq T_a \leq +55$ 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]	8 (2...18)	
Reaction time typ. [s]	2 (1...13)	
Terminal clamps [mm]	cable diameter 5.5...8.5	
Housing material	AISI 316 Ti • different materials on request	
Protection [EN 60529]	IP 67	
Connection cable	2 m PVC 4x0.75 mm ² (number 1-4)	



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