

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

### Series STS

#### Gas-Ex Category 1/2

Ex II 1/2 G Ex ia IIC T6 Ga/Gb

#### Dust-Ex Category 1

Ex II 1 D Ex ia IIIC T105 °C Da



### Extended temperature range

<b>Design</b>	<b>G1/2</b>																											
<b>Dimensions</b>																												
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: Zone 0/1 / 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 68																											
Connection	2 m FEP-cable 4x0.25 mm <sup>2</sup>																											
	<table border="1"> <tr><td>Messfühler</td><td>1 BN</td><td>d26</td><td rowspan="4">SEA</td></tr> <tr><td>Probe</td><td>2 WH</td><td>d28</td></tr> <tr><td></td><td>3 BU</td><td>d30</td></tr> <tr><td></td><td>4 BK</td><td>d32</td></tr> </table>	Messfühler	1 BN	d26	SEA	Probe	2 WH	d28		3 BU	d30		4 BK	d32	<table border="1"> <tr><td>Messfühler</td><td>3 BU</td><td>8</td><td rowspan="4">SZA</td></tr> <tr><td>Probe</td><td>1 BN</td><td>7</td></tr> <tr><td></td><td>2 WH</td><td>6</td></tr> <tr><td></td><td>4 BK</td><td>5</td></tr> </table>	Messfühler	3 BU	8	SZA	Probe	1 BN	7		2 WH	6		4 BK	5
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	(probes with cable length > 2 m are available on request)																											
Notice	for the connection to amplifiers SZA..., SEA..., SS 400, see page 1.85 - 1.88																											