



Ex-Amplifier SZAb 400 EX-GA

Analog EX amplifier DC



D-EN-SZAbAnalog_20211018

- Ex II (1) G [Ex ia Ga] IIC
- Ex II (1) D [Ex ia Da] IIIC
- DC 24 V
- Analog output
- Cable break and short circuit monitoring



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Design	SZAb 400 EX-GA
Dimensions	
ID-No.	P11401
Type	SZAb 400 EX-GA
Output	 4 – 20 mA
Supply voltage [V]	24 DC $\pm 15\%$
Ex marking	Gas: II (1) G [Ex ia Ga] IIC Staub: II (1) D [Ex ia Da] IIIC
Certificate No.	EPS 19 ATEX 1 009 IECEx EPS 19.0001
Maximum values	$U_0 = 13,65\text{ V}$ $I_0 = 200\text{ mA}$ $P_0 = 683\text{ mW}$ II C: $C_0 = 0,35\text{ }\mu\text{F}$; $L_0 = 1,1\text{ mH}$ IIB: $C_0 = 1,8\text{ }\mu\text{F}$; $L_0 = 6,2\text{ mH}$ IIA: $C_0 = 5,7\text{ }\mu\text{F}$; $L_0 = 11,0\text{ mH}$
Output	Analog, non linear
Current output [mA]	4...20
Load R_L [Ω]	0...500
Ambient temperature [$^{\circ}\text{C}$]	$-20 \leq T_a \leq +60$
Protection [EN 60529]	IP 20
Connection	terminal screws

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Design	SZAb 400 EX-GA
Connection	Messfühler Probe 3 BU 1 BN 2 WH 4 BK 8 7 6 5 4 3 2 1 SZAb 400 EX-GA - + ⏏ - + Strömung flow 16 15 14 13 12 11 10 9 U_B functional earth 4...20 mA
Note	The Ex-amplifier must be mounted outside hazardous areas (gas or dust).

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Important instructions!

Technical changes and errors reserved.

Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.