





Ex Amplifier SZAb

Ex amplifiers with relay output



-  Ex II (1) G [Ex ia Ga] IIC
-  Ex II (1) D [Ex ia Da] IIIC
- AC 230 V • AC 115 V • DC 24 V
- Relay output
- Cable break and short circuit monitoring
- Turn off delay

D-EN-SZAb-20220120



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Design	SZAb 400 EX...		
Dimensions			
ID-No.	P11400	P11399	P11398
Type	SZAb 400 EX-WR230	SZAb 400 EX-WR115	SZAb 400 EX-GR
Output	 Relay	 Relay	 Relay
Supply voltage [V]	230 AC $\pm 10\%$	115 AC $\pm 10\%$	24 DC $\pm 15\%$
Ex marking	Gas: Ex II (1) G [Ex ia Ga] IIC Dust: Ex 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: $C_0 = 0,35 \mu\text{F}$; $L_0 = 1,1 \text{ mH}$ IIB: $C_0 = 1,8 \mu\text{F}$; $L_0 = 6,2 \text{ mH}$ IIA: $C_0 = 5,7 \mu\text{F}$; $L_0 = 11,0 \text{ mH}$		
Turn off delay [s]	0...25		

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Ex Amplifier SZAb

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Design	SZAb 400 EX...
Output	Relay / change over
Switching voltage [V]	250 AC / 60 DC / 24 DC
Switching current [A]	4 AC / 0,8 DC / 4 DC
Switching power	$\cos \varphi > 0,7$ / L/R <200 ms
Ambient temperature [°C]	$-20 \leq T_a \leq +60$
Protection [EN 60529]	IP 20
Connection	Terminal screws
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.