

- Amplifiers

Series IKM

Dust

Gas

Cable break and short circuit monitoring

Connection to 2-lead intrinsically safe sensors

Output function programmable



Design	IKM 122 Ex-230	
Dimensions		
ID-No.	P31332	
Type	IKM 122 Ex-230	
Supply voltage [V]	230 AC $\pm 10\%$	
Certificate No.	TÜV 11 ATEX 556280	
Ex marking	II (1)G [Ex ia Ga] IIC / II (1)D [Ex ia Da] IIIC	
Maximum values	$U_o = 9.6\text{ V}$ $I_o = 12.1\text{ mA}$ $P_o = 29\text{ mW}$ $C_o = 0.83\text{ }\mu\text{F}$ $L_o = 5.00\text{ mH}$	
Output	relay / change-over	
Switching voltage max. [V]	250 AC	24 DC
Switching current max. [A]	4 AC	4 DC
Switching power	$\cos \varphi \geq 0,7$ L/R $\leq 200\text{ ms}$	
Ambient temperature [°C]	-20...+60	
Special function	cable break monitoring	
Protection [EN 60529]	terminals: IP 20 / housing: IP 40	
Connection	terminal screws	
<p>Note: The installation of the amplifier has to be executed outside of the hazardous area.</p>		