


Dust / Gas-Ex | Intrinsically safe | Zone 0/20

Proximity switches

Gas-Ex Category 1
Ex ia IIC T6 Ga
Dust-Ex Category 1
Ex ia IIIC T80°C Da


Design	M12x1		M18x1		M30x1.5	
Dimensions						
Installation flush (f) non flush (nf)						
Operating distance [mm]	2 f	4 nf	5 f	8 nf	10 f	15 nf
ID-No.	P31445	P31446	P31447	P31448	P31449	P31450
Type	IGEXa 02	IGEXa 04	IGEXa 05	IGEXa 08	IGEXa 10	IGEXa 15
Ex area of use	Gas: Zone 0/1 / Dust: Zone 20/21					
Certification No.	EPS 17 ATEX 1 173 X			IECEx EPS 17.0087X		
Ex marking	Gas: II 1G Ex ia IIC T6 Ga Dust: II 1D Ex ia IIIC T80°C Da			Gas: Ex ia IIC T6 Ga Dust: Ex ia IIIC T80°C Da		
Ambient temperature [°C] and medium temperature	Gas Zone 0: T6: -20 ≤ Ta ≤ +60 T5: -20 ≤ Ta ≤ +60 T4: -20 ≤ Ta ≤ +60 T3: -20 ≤ Ta ≤ +60 Dust Zone 20: -25 ≤ Ta ≤ +75		Gas Zone 1: T6: -25 ≤ Ta ≤ +75 T5: -25 ≤ Ta ≤ +75 T4: -25 ≤ Ta ≤ +75 T3: -25 ≤ Ta ≤ +75 Dust Zone 21: -25 ≤ Ta ≤ +75			
Maximum values	Ui = 12.6 V / li = 15.9 mA / Pi = 50 mW / Ci = 66.2 nF / Li = 1.2 mH					
Housing material	Br-Ni / PA					
Protection [EN 60529]	IP 67					
Connection	2 m PVC-cable 2x0.5 m²					
For the connection to amplifiers IKMb 122 Ex..., page 3.67						
Note	proximity switches with cable length > 2 m are available on request					