



Gas- | Intrinsically safe • Zone 0

Opto glass sensor

Gas-Ex Category 1  
Ex ia IIC T6 Ga

Resistant in kerosine • motor fuels

3-wire sensor, intrinsically safe



Design	G3/4				
Dimensions					
Switching point sp	[mm]	- 10			
ID-No.	P21239	P21240	P21241	P21242	
Type	UFGSa 075 Ex-L120	UFGSa 075 Ex-L200	UFGSa 075 Ex-L400	UFGSa 075 Ex-L1000	
Sensor length	[mm]	120	200	400	1000
Ex area of use	Gas: Zone 0				
Certificate No.	EPS 18 ATEX 1 097 X		IECEX EPS 18.0054X		
Ex marking	Gas:  II 1G Ex ia IIC T6 Ga		Ex ia IIC T6 Ga		
Ambient temperature	[°C]	Gas Zone 0: T6: -20 ≤ Ta ≤ +60 T5: -20 ≤ Ta ≤ +60 T4: -20 ≤ Ta ≤ +60 T3: -20 ≤ Ta ≤ +60		Gas Zone 1: T6: -25 ≤ Ta ≤ +70 T5: -25 ≤ Ta ≤ +75 T4: -25 ≤ Ta ≤ +75 T3: -25 ≤ Ta ≤ +75	
Maximum values	Ui = 12.6 V / li = 80 mA / Pi = 252 mW / Ci = 0.24 nF / Li = 1.3 µH				
Housing material	AISI 316 Ti / glass				
Sealing material	FFKM (Kalrez)				
Tightening torque	[Nm]	100			
Sensitivity	constant for all detectable media				
Protection	[EN 60529]	IP 67			
Compressive strength	[bar]	16			
Connection	M12 connector				
Sensors for the connection to amplifiers IKMb 123 Ex-...					
Zubehör	plug M12, SBG-DC (Z01060) or SBW-DC (Z00038)				