



Dust / Gas-Ex | Compact model | Zone 2/22

Proximity switches

Gas-Ex Category 3
Ex ec IIC T6...T3 Gc

Dust-Ex Category 3
Ex tc IIIC T 70°C Dc

One piece stainless
steel housing



Design	DC PNP • M12x1		DC PNP • M18x1	DC PNP • M30x1.5
Dimensions				
Operating distance [mm]	2		5	10
Switching output PNP				
ID-No.	P31397		P31398	P31399
Type	IGVEX22c 02 GSP		IGVEX22c 05 GSP	IGVEX22c 10 GSP
Ex area of use	Gas: Zone 2 / Dust: Zone 22			
Certificate No.	IECEx EPS 17.0042X			
Conformity No.	EGE 18.0020 X			
Ex marking	Gas: II 3G Ex ec IIC T6...T3 Gc Dust: II 3D Ex tc IIIC T 70°C Dc		Gas: Ex ec IIC T6...T3 Gc Dust: Ex tc IIIC T 70°C Dc	
Ambient temperature and medium temperature [°C]	Gas Zone 2: T6: $-5 \leq T_a \leq +55$ T5: $-5 \leq T_a \leq +55$ T4: $-5 \leq T_a \leq +55$ T3: $-5 \leq T_a \leq +55$ Dust Zone 22: $-5 \leq T_a \leq +55$		Gas Zone 2: T6: $-10 \leq T_a \leq +55$ T5: $-10 \leq T_a \leq +55$ T4: $-10 \leq T_a \leq +55$ T3: $-10 \leq T_a \leq +55$ Dust Zone 22: $-10 \leq T_a \leq +55$	Gas Zone 2: T6: $-20 \leq T_a \leq +60$ T5: $-20 \leq T_a \leq +60$ T4: $-20 \leq T_a \leq +60$ T3: $-20 \leq T_a \leq +60$ Dust Zone: $-20 \leq T_a \leq +60$
Rated voltage [V]	30 DC			
Supply voltage [V]	24 DC $\pm 10\%$			
Switching current [mA]	100			
Switching frequency [Hz]	180			
LED display	red		yellow	yellow
Housing material	AISI 316 L / PPSU		AISI 316 L / PA	AISI 316 L / PA
Protection [EN 60529]	IP 67			
Connection	2 m PUR-cable 3x0.34 mm ²			
Note	proximity switches with cable length > 2 m are available on request			