

## Dust / Gas - Compact model • Zone 2/22

### Series IGVEX22c - Proximity switches

Gas-Ex Category 3  
Ex ec IIC T6 Gc

Dust-Ex Category 3  
Ex tc IIIC T75°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 Gc Dust:  II 3D Ex tc IIIC T75°C Dc	Gas: Ex ec IIC T6 Gc Dust: Ex tc IIIC T75°C Dc	
Ambient temperature and medium temperature [°C]	Gas Zone 2: T6: $-5 \leq T_a \leq +60$ T5: $-5 \leq T_a \leq +60$ T4: $-5 \leq T_a \leq +60$ T3: $-5 \leq T_a \leq +60$ Dust Zone 22: $-5 \leq T_a \leq +60$	Gas Zone 2: T6: $-10 \leq T_a \leq +60$ T5: $-10 \leq T_a \leq +60$ T4: $-10 \leq T_a \leq +60$ T3: $-10 \leq T_a \leq +60$ Dust Zone 22: $-10 \leq T_a \leq +60$	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 22: $-20 \leq T_a \leq +60$
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 <sup>2</sup>		
Note	proximity switches with cable length > 2 m are available on request		