

## Dust / Gas - Compact model • Zone 0/20

### Series IGEX20Pa - Proximity switches

Gas-Ex Category 1  
Ex ma IIC T6 Ga

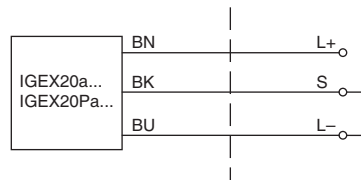
Dust-Ex Category 1  
Ex ma IIIC T90°C Da

Ambient temperature up to -60 °C



Design	DC PNP • M12x1		DC PNP • M18x1		DC PNP • M30x1.5	
Dimensions						
Installation flush (f) non flush (nf)	LED	LED	LED	LED	LED	LED
Operating distance [mm]	2 f	4 nf	5 f	8 nf	10 f	15 nf
Switching output PNP						
ID-No.	P31385	P31386	P31387	P31388	P31389	P31390
Type	IGEX20Pa 02 GSP	IGEX20Pa 04 GSP	IGEX20Pa 05 GSP	IGEX20Pa 08 GSP	IGEX20Pa 10 GSP	IGEX20Pa 15 GSP
Ex area of use	Gas: Zone 0/1 / Staub: Zone 20/21					
Certificate No.	EPS 17 ATEX 1 117 X			IECEX EPS 17.0059X		
Ex marking	Gas:  II 1G Ex ma IIC T6 Ga Dust:  II 1D Ex ma IIIC T90°C Da			Ex ma IIC T6 Ga Ex ma IIIC T90°C Da		
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: -60 ≤ Ta ≤ +60* T5: -60 ≤ Ta ≤ +60* T4: -60 ≤ Ta ≤ +60* T3: -60 ≤ Ta ≤ +60*		Dust Zone 20: -20 ≤ Ta ≤ +60* Dust Zone 21: -60 ≤ Ta ≤ +60*	
* +55 for type M12x1						
Supply voltage [V]	24 DC ±10%					
Switching current [mA]	50					
Rated voltage [V]	27 DC					
Rated current [mA]	50					
LED display	yellow	yellow	yellow	yellow	yellow	yellow
Impact protection cap		•		•		•
Housing material	AISI 316 Ti / PTFE / PVDF / POM					
Protection [EN 60529]	IP 68 (3 bar)					
Connection	2 m FEP-cable 3x0.34 mm <sup>2</sup>					
Note	proximity switches with cable length > 2 m are available on request					

explosionsgefährdeter Bereich (Gas oder Staub)  
hazardous area (gas or dust)



nicht explosionsgefährdeter Bereich  
non hazardous area