

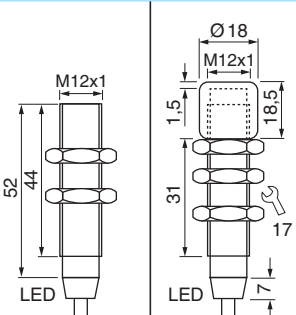
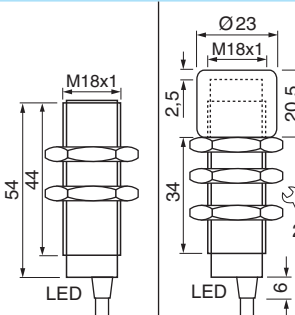
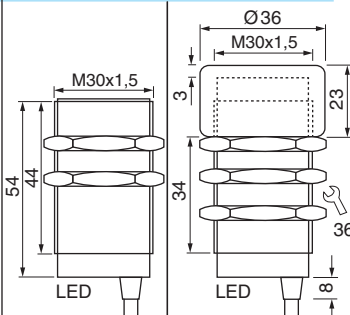

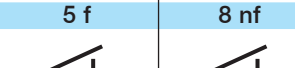



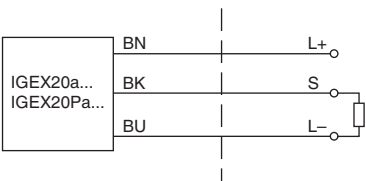
Dust / Gas- Compact model • Zone 0/20

Series IGEX20a - Proximity switches

Gas-Ex Category 1
Ex ma IIC T6 Ga

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



Design	DC PNP • M12x1		DC PNP • M18x1		DC PNP • M30x1.5	
Dimensions						
Installation flush (f) non flush (nf)	f, nf		f, nf		f, nf	
Operating distance [mm]	2 f, 4 nf		5 f, 8 nf		10 f, 15 nf	
Switching output PNP						
ID-No.	P31379, P31380		P31381, P31382		P31383, P31384	
Type	IGEX20a 02 GSP, IGEX20a 04 GSP		IGEX20a 05 GSP, IGEX20a 08 GSP		IGEX20a 10 GSP, IGEX20a 15 GSP	
Ex area of use	Gas: Zone 0/1 / Dust: 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: -20 ≤ Ta ≤ +60* T5: -20 ≤ Ta ≤ +60* T4: -20 ≤ Ta ≤ +60* T3: -20 ≤ Ta ≤ +60*		Dust Zone 20: -20 ≤ Ta ≤ +60* Dust Zone 21: -20 ≤ 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	red		yellow		yellow	
Impact protection cap	•		•		•	
Housing material	AISI 316 Ti/PPSU/LCP/POM			Br-Ni / PA / POM		
Protection [EN 60529]	IP 67					
Connection	2 m PUR-cable 3x0.34 mm ²					
Note	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="text-align: center;"> <p>explosionsgefährdeter Bereich (Gas oder Staub) <i>hazardous area (gas or dust)</i></p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>nicht explosionsgefährdeter Bereich <i>non hazardous area</i></p> </div> </div>					
Note	proximity switches with cable length > 2 m are available on request					