



Dust / Gas-Ex | Compact model | Zone 0/20

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)						
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:		Gas Zone 1:		Gas Zone 1:	
* +55 for type M12x1	T6: -20 ≤ Ta ≤ +60 *		T6: -20 ≤ Ta ≤ +60 *		T6: -20 ≤ Ta ≤ +60 *	
	T5: -20 ≤ Ta ≤ +60 *		T5: -20 ≤ Ta ≤ +60 *		T5: -20 ≤ Ta ≤ +60 *	
	T4: -20 ≤ Ta ≤ +60 *		T4: -20 ≤ Ta ≤ +60 *		T4: -20 ≤ Ta ≤ +60 *	
	T3: -20 ≤ Ta ≤ +60 *		T3: -20 ≤ Ta ≤ +60 *		T3: -20 ≤ Ta ≤ +60 *	
	Dust Zone 20:		Dust Zone 21:		Dust Zone 21:	
	-20 ≤ Ta ≤ +60 *		-20 ≤ Ta ≤ +60 *		-20 ≤ Ta ≤ +60 *	
Supply voltage [V]	24 DC ±10%					
Switching current [mA]	50					
Rated voltage [V]	27 DC					
Rated current [mA]	50					
LED display	red	red	yellow	yellow	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 mm²					
Note	proximity switches with cable length > 2 m are available on request					

explosionsgefährdeter Bereich (Gas oder Staub) hazardous area (gas or dust)	IGEX20a... IGEX20Pa...	BN	L+
		BK	S
		BU	L-
			nicht explosionsgefährdeter Bereich non hazardous area

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