

Ex-ATEX Signal Towers



LED

EX

ATEX certified for Zones 2 and 22

Satisfies requirements for device category 3G and 3D in hazardous areas.

Low power, high output LEDs

Reliable operation with service life exceeding 50,000 hrs.

Prismatic lenses

Provide dispersion of light for high visibility from all sides. High impact resistant polycarbonate material.

Standard versions

see page 96.



Applications

For hazardous areas where there is a risk of explosion due to the presence of combustible gas or dust.

Central terminal box for all modules.

EX-ATEX SIGNAL TOWERS



protection system



operating temperature



PRODUCT		BR 50-LED 3G/3D			
ARTICLE NO.		22093401000	22093401106	22093402300	22093403000
DATA					
Version		1-stage	1-stage	2-stage	3-stage
Colour order		●	●	● ●	● ● ●
Operating range		18–28 V			
		AC 50 60 Hz DC			
Current consumption	AC	60 mA @ 24 V	60 mA @ 24 V	90 mA @ 24 V	130 mA @ 24 V
	DC	50 mA @ 24 V	50 mA @ 24 V	80 mA @ 24 V	120 mA @ 24 V
Explosion protection		II 3G Ex nA II T5 X –20 °C ≤ Ta ≤ +50 °C II 3D tDA22 IP 65 T85°C X –20 °C ≤ Ta ≤ +50 °C			
Category (area of use)		3G (Zone 2) 3D (Zone 22)			
Temperature class T		T5			
Special conditions		X: according to the requirements of prDIN EN 60 079-0, DIN EN 61241-0 (2007) and DIN EN 61241-1 (2005), the equipment is suitable for applications with a low degree of mechanical danger. It must therefore be ensured that the light is mounted with sufficient protection against impacts. A protective cage is not mandatory.			
Operating mode		continuous light			
Light source		LED			
Operating temperature		–20 °C ... +50 °C			
Protection system according to EN 60529		IP 65			
Service life of light source		>50,000 hrs			
Material	lens	/ ● ● ● ● ● polycarbonate (PC)			
	housing	acrylonitrile butadiene styrene (ABS)			
	connector housing	polycarbonate (PC)			
Dimensions (X x Y1 x Y2 x Z)		82 x 80 x 109 x 85 mm		82 x 80 x 172 x 85 mm	82 x 80 x 235 x 85 mm
For additional models, options and voltages visit www.pfannenberg.com or contact us directly.					

Further models on request

230 V AC.	Other colours like clear, amber and other colour combinations.
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Comprehensive technical documentation such as

- operating instructions, technical data, approvals
- support for planning, 3D models, CAD data

can be retrieved by entering this webcode in the search window on www.pfannenberg.com

