

Explosion protection category:
intrinsic safety EEx i

Explosion protection symbol:
CE Ex II 2G EEx ib IIC T6

Certificate of conformity: PTB 03 ATEX 2135



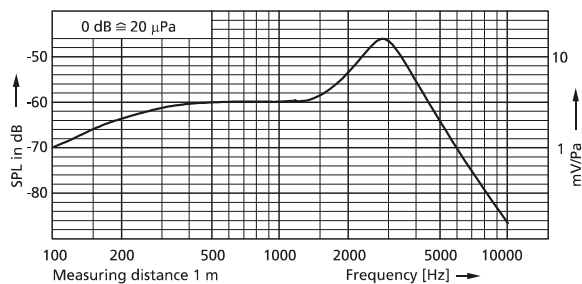
Technical specification

Housing	.....	shock-proof plastic housing	
Colour	.....	matt black	
Dimensions	.....	85 mm x 85 mm x 77.5 mm	
Weight	.....	approx. 320 g	
Terminals	.....	terminals 2 x 0.08...2.5 mm ² lead-through for cable Ø 4...7 mm	
Degree of protection	.....	IP 54	acc. to DIN EN 60529
Temperature range	operation:	-40 °C up to +60 °C	Nb acc. to DIN EN 60068-2-14
	storage:	-40 °C up to +80 °C	Nb acc. to DIN EN 60068-2-14
Acceptable relative humidity	.....	≤ 93 %	Db acc. to DIN EN 60068-2-30

Electroacoustic specification

Directional characteristic	.....	omnidirectional	
DC resistance	.....	50 Ω	(± 20 %)
Free-field no-load sensitivity	.....	1 mV/Pa	[(-60 ± 3) dB, rel. 1 V/Pa], f = 1 kHz
Inductance	.....	≤ 10 mH	

Frequency response



Measures for Ex-protection

The microphone is to connect only to a certified intrinsically safe circuit, which fulfills the following conditions:

- Short-circuit current ≤ 55 mA
- Admissible external inductance ... ≤ 10 mH
- Admissible external capacity negligibly small

Mounting

Wallmounting by means of 2 screws Ø 5 mm

Order details

Dynamic Wallmounted Microphone

Part-No. 82-01-06815