BS 5EN

PENDANT SEPAKER

DESCRIPTION

BS 5EN is a pendant speaker suitable for all those installations where high intelligibility for alarm messages broadcasting and great sound reproduction quality are required. Thanks to its IP65 protection grade, it can be installed both indoor and outdoor. Moreover, a modern and endearing design makes it the perfect product for environments where projectors are intended also as architectural elements and contribute to improve global aesthetics.

FEATURES

- 5" coaxial woofer with 0.75" dome tweeter.
- Power selectable (100 V): 20 W – 10 W – 5 W – 2.5 W.
- 88 dB sensitivity.
- Colour white RAL 9016.
- Flameproof ABS body, steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP65.
- 5 m cable included.

TECHNICAL SPECIFICATIONS

Acoustical specifications	Frequency Response (-10dB)	80 Hz ÷ 20000 Hz
	Max SPL @ 1m	101 dB
	Max SPL @ 4m	89 dB
	Coverage angle	170°
	System Sensitivity	88 dB
	System Sensitivity 1W @ 4m	76 dB
Power section	Amplification	Full Range
	Power Handling	20 W
	Peak Power Handling	80 W PEAK
	Protections	Thermal fuse
	Recommended Amplifiers	DMA 504, DMA 162, DMA 82, DMA 162P, DXT 3000, DXT 4000, DXT 7000
Transducers	Dome Tweeter	0.75"
	Woofer	Coaxial 5.0"
Input/Output section	Input connectors	Ceramic screw terminals
	Output connectors	Ceramic screw terminals
	Constant Voltage Transformer	100 V
	Power selection 1	20 W - 500 ohm
	Power selection 2	10 W - 1000 ohm
	Power selection 3	5 W - 2000 ohm
	Power selection 4	2.5 W - 4000 ohm
Standard compliance	IP protection grade	IP 65
	Safety agency	CE compliant
	EN54-24 certified	Yes
	CPR number	0068-CPR-058/2014
Physical specifications	Hardware	Wall mount metal plate and 5m cable
	Color	White - RAL 9016
Size	Height	261 mm / 10.28 inches
	Width	176 mm / 6.93 inches
	Depth	183 mm / 7.2 inches
	Weight	2.79 kg / 6.15 lbs
Shipping information	Package Height	230 mm / 9.06 inches
	Package Width	350 mm / 13.78 inches
	Package Depth	230 mm / 9.06 inches
	Package Weight	4.39 kg / 9.68 lbs

RCF products are continually improved. All specifications are therefore subject to change without notice.

PART NUMBER

- **13133078**

  BS 5EN

  EAN 8024530011147

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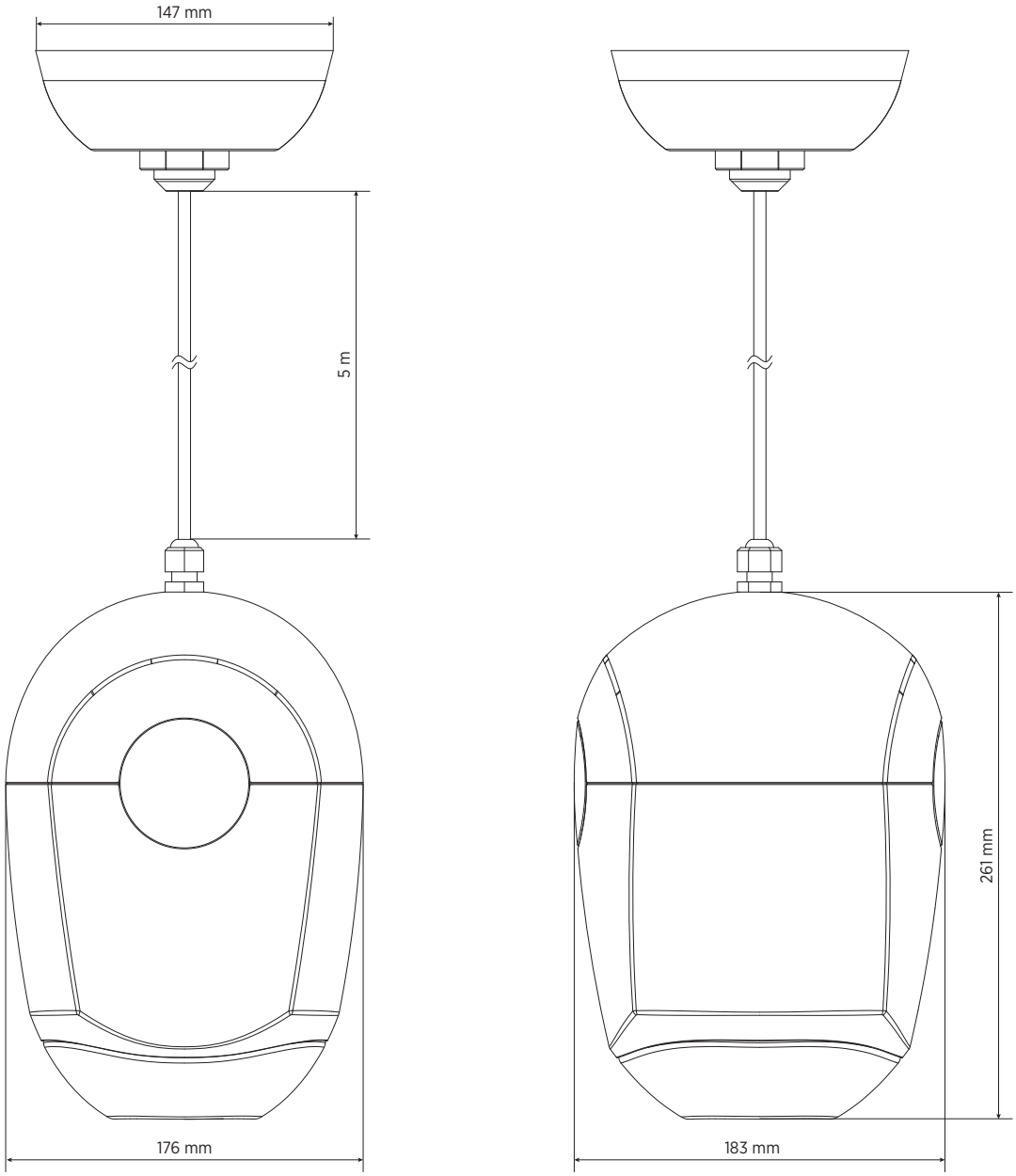
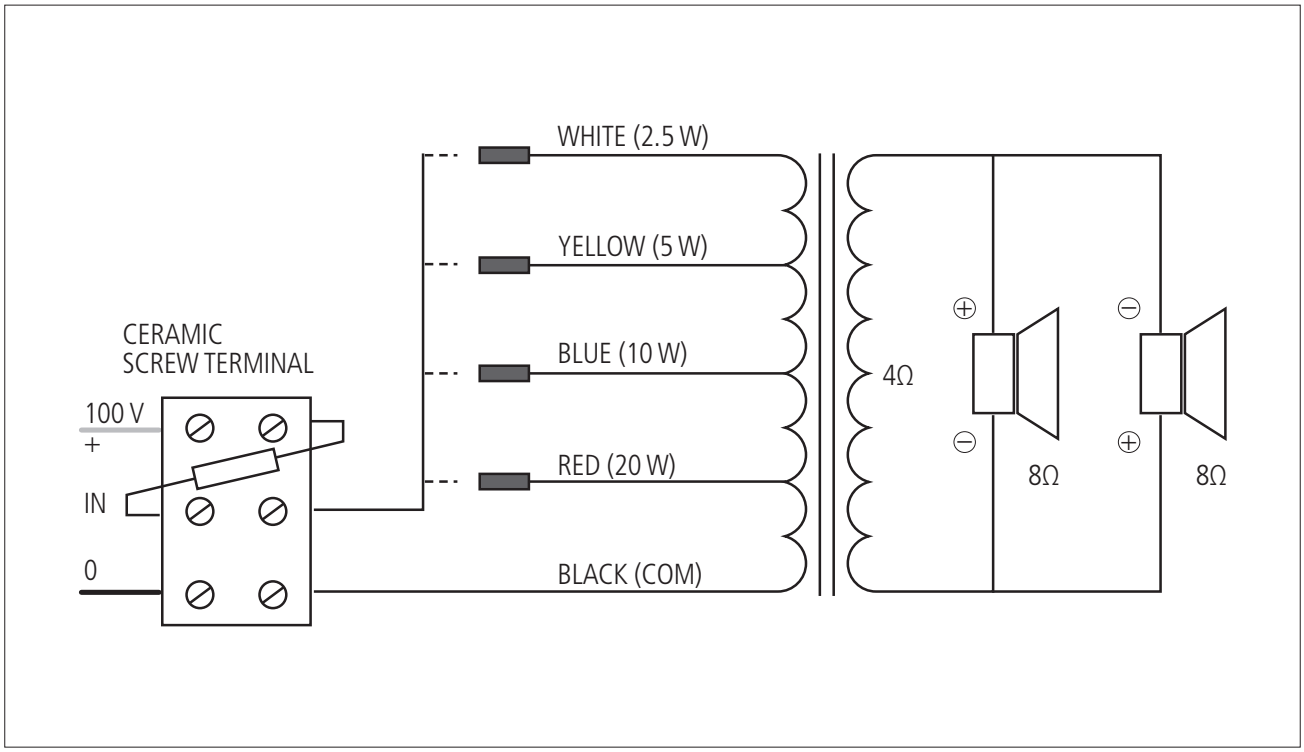
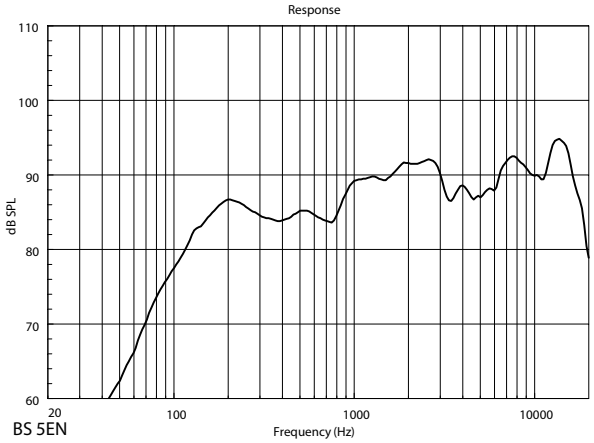
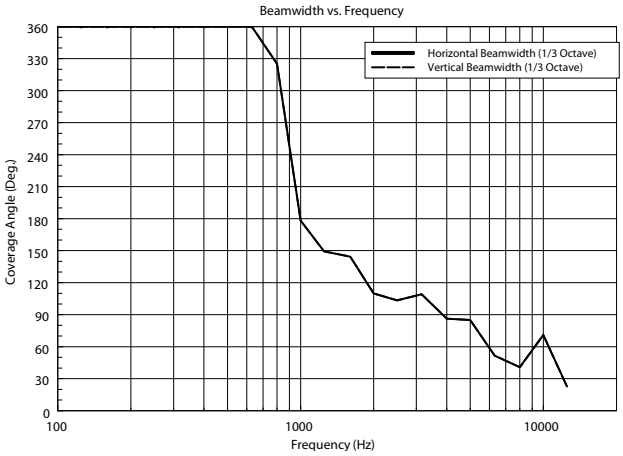
DRAWINGS

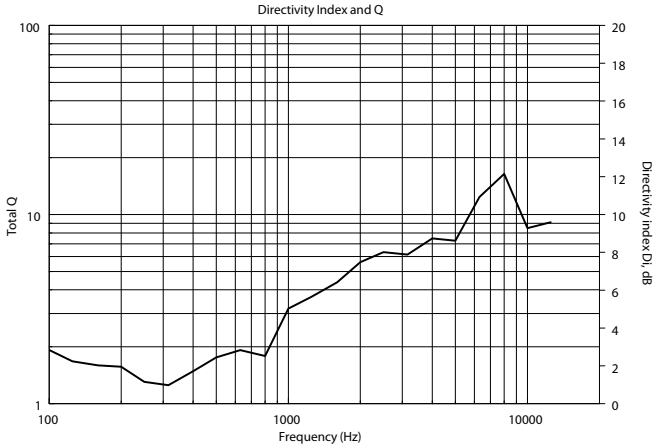


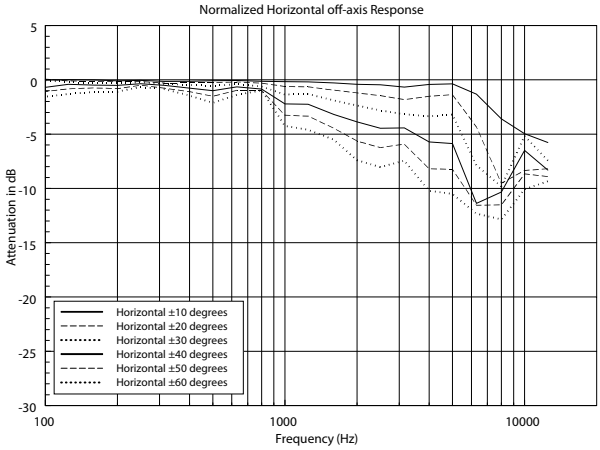
SCHEMATICS


WHITE (2.5 W)
YELLOW (5 W)
BLUE (10 W)
RED (20 W)
BLACK (COM)
CERAMIC
SCREW TERMINAL
100 V
+
IN
0
4Ω
8Ω
8Ω

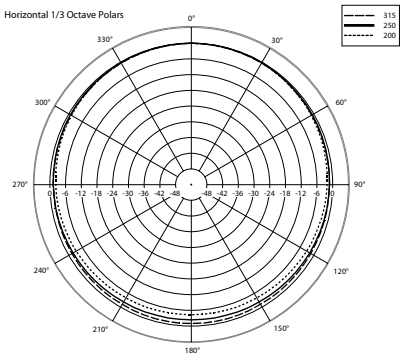

Response
dB SPL
110
100
90
80
70
60
20
100
1000
10000
Frequency (Hz)
BS 5EN

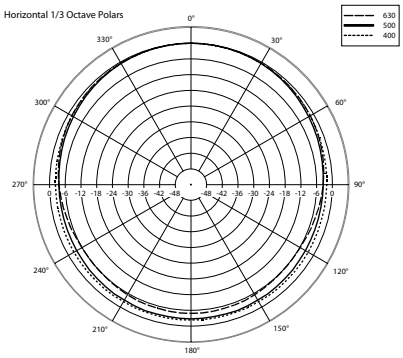

Beamwidth vs. Frequency
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
Coverage Angle (Deg.)
360
330
300
270
240
210
180
150
120
90
60
30
0
100
1000
10000
Frequency (Hz)

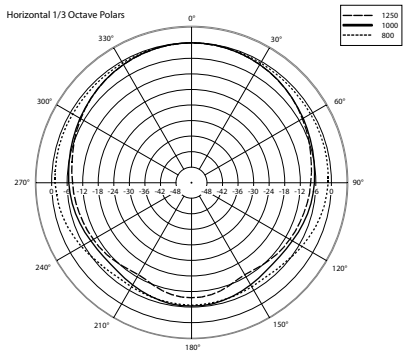

Directivity Index and Q
Total Q
100
10
1
Directivity Index DI, dB
20
18
16
14
12
10
8
6
4
2
0
100
1000
10000
Frequency (Hz)

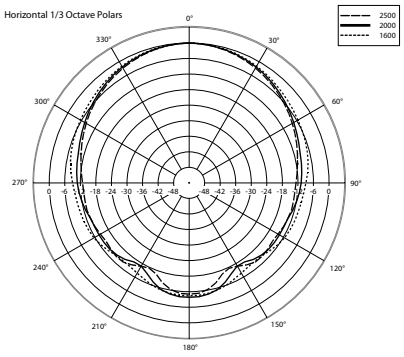

Normalized Horizontal off-axis Response
Attenuation in dB
5
0
-5
-10
-15
-20
-25
-30
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
100
1000
10000
Frequency (Hz)

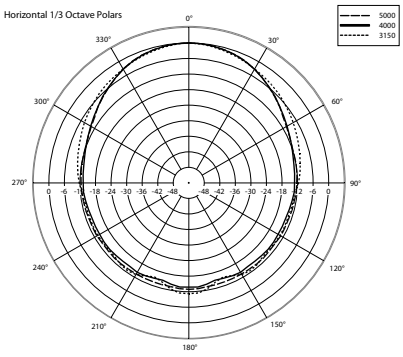
HORIZONTAL 1/3 POLAR PLOT

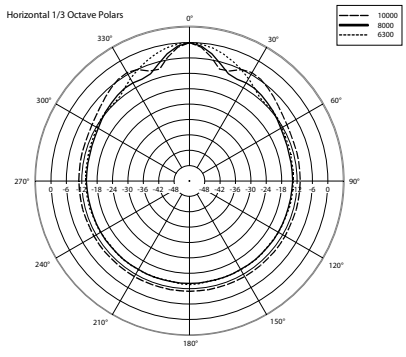












ACCESSORIES

A&E SPECIFICATIONS

The product shall be a weatherproof pendant speaker suitable for broadcasting background music into commercial spaces, but also alarm messages, thanks to the highly intelligible voice reproduction and the EN 54-24 certification.
It shall have IP65 protection grade for both indoor and outdoor installations.
It shall have a modern and endearing design for environments where speakers are intended also as architectural elements and contribute to improve global aesthetics.
The terminal connection blocks, for input and output flameproof cables, shall be made of ceramic material. A thermal fuse shall protect the line integrity in case of heat affecting the speaker.

NOTES

NO CAUTION is NECESSARY in case of ALERTED PERSON for AUDIO voltages up to 120V, when warning symbols are present near the connection terminals. In the case of AUDIO voltages up to 71V, it is not even necessary to put warning symbols.
No need of linking to earth metal parts of speakers equipped with transformers and connected to 70.7 V / 100 V outputs of power amplifiers that do not have any reference to earth (ref. EN 62368-1 item 4.3.2.2), unless specific local requirements.