# BExL15 Explosion Proof PA Loudspeakers 15W



The flameproof BExL15 PA loudspeakers are suitable for Zone 1, 2, 21 & 22 applications. Approved to IECEx, ATEX, Ex EAC and INMETRO standards.

113dB sound level output - 15W rated.

The BEx range features enclosures manufactured from corrosion proof, marine grade copper free LM6 aluminium with chromate and powder coat finish.

An independent test report is available on request, or online, detailing the leading performance of the BEx loudspeaker range.

### **Features**

- Marine grade, corrosion proof, LM6 aluminium enclosure.
- Ingress protection IP66/67
- Stainless steel fixings
- Dual M20 cable entries adaptors available.
- Stopping plug included.
- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- 100V and 70V line versions.
- 8 Ohm and 16 Ohm low impedance versions.
- Multiple tappings from 15W to 1W.
- Wide frequency response and angle of dispersion.

# **Approvals**

- IECEX KEM 10.0003X
- ATEX KEMA 99ATEX6312X
- TR-CU Ex EAC certificate: RU C-GB.HA65.B.01252\_21
- INMETRO certificate: 10-IEx-0009

## Coding

- II 2G Ex db IIB T4 Ta -50° to +70°C
- II 2G Ex db IIC T4 Ta -50° to +55°C
- II 2D Ex tb IIIC T100°C Db Ta -50°C to +55°C
- II 2D Ex tb IIIC T115°C Db Ta -50°C to +70°C





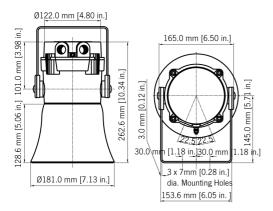












# **Specification**

SPL:	102dB +/-3dB @ 1w @ 1m (Pink) 113dB +/-3dB @ 15w @ 1m (Rated)	
Rated power:	15 Watts RMS	
70v line tappings:	15w / 7.5w / 3w / 1w (z=336.67 Ohms /653.33 Ohms / 1.6k Ohms / 4.9k Ohms)	
100v line tappings:	: 15w / 7.5w / 3w / 1w (z=666.87 Ohms / 1.34k Ohms / 3.34k Ohms / 10k Ohms)	
Low impedence:	8 Ohm or 16 Ohm	
Dispersion:	120° @ 1kHz & 32° @ 4kHz	
Frequency range:	400Hz to 8000 Hz	
DC Line monitoring:	2.2µF Capacitor (Transformer ) 470µF Capacitor (Low impedance)	
Ingress protection: IP66/67		
Enclosure matl:	Marine grade copper free LM6 Aluminium	
Enclosure finish:	Chromate & powder coated finish - anti-corrosion.	
Colour:	RAL 3000 Red Grey RAL 7038 Special – available on request	
BExL15 flare:	High impact UL94 VO & 5VA FR ABS	
Cable entries:	Dual M20 ISO (one stopping plug inc)	
Terminals:	0.5 – 2.5mm² (20-14 AWG)	
Relative humidity:	95% – Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist	
Weight:	70/100V line: 3.45kg/7.59lbs Low imp.: 3.10kg/6.82lbs	

# **Part Codes**

Version:	Part code:	
Product type:	BExL15	Explosion proof PA Loudspeaker
Type:	DF	Ex d, Flare re-entrant horn
Input:	V100	100V Line Transformer
	V070	70V Line Transformer
	R016	16 Ohm Low Impedance
	R008	8 Ohm Low Impedance
Cable Entry Type:	Α	2 x M20x1.5mm
[e]	В	2 × 1/2" NPT – adaptors
	C	2 × 3/4" NPT – adaptors
	D	2 x M25x1.5mm - adaptors
	Е	1 × 1/2" NPT – adaptor
	F	1 × 3/4" NPT – adaptor
	G	1 x M25x1.5mm – adaptor
Adaptor/Stopping	В	Brass
plug material: [m]	N	Nickel Plated
	S	Stainless Steel
Bracket matl & tag:	1	A2 304 Stainless Steel
[S]	2	A4 316 Stainless Steel
	3	A2 304 St/St with Equip. Tag
	4	A4 316 St/St with Equip. Tag
Product version: [v	]A1	Default - IECEx, ATEX, Ex EAC & INMETRO
Enclosure colour: [x]	R	Red RAL3000
	G	Grey RAL7038
	S	Special - contact E2S
Accessories:	SP65-0001-A4	Pole Mount Bracket Kit 2" St/St A4 (316)
	SP65-0003-A4	Sunshade - St/St A4 (316)