

BExCL15-05 / BExDCL15-05

Combination PA Loudspeaker

The flameproof BExCL15-05 combination PA loudspeakers and Xenon beacons are suitable for Zone 1 & Zone 2 applications and the BExDCL15-05 versions also for Zone 21 & 22.

Features:

- Glass dome with optically enhanced prismatic PC lens
- Stainless Steel guard
- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- The sounder & beacon may be connected from a single supply for simultaneous operation or from separate supplies for independent operation
- 'Programmable' version available:
 - 45 alarm tones
 - 4 remotely selectable stages
 - Any tone can be assigned to any stage
 - User configurable continuous frequency tone

Approvals:

- ATEX certificate: KEMA 01ATEX2223X, EN 60079-0 : 2006, EN 60079-1 : 2007, EN 61241-0 : 2006, EN 61241-1 : 2004
- IECEx certificate: IECEx KEM 10.0025, IEC 60079-0 : 2004 (Ed4), IEC 60079-1 : 2007 (Ed6), IEC 61241-0 : 2004 (Ed1), IEC 61241-1 : 2004 (Ed1)
- GOST-R certificate: POCC GB.JB05.B02205
- Safety-integrity suitability: SIL1

Xenon Beacon Current consumption:

Version:	Voltage range:	Current:
12V dc	10-14V	750mA
24V dc	20-28V	300mA
48V dc	42-54V	180mA
115V ac 50/60Hz	+/-10%	140mA
230V ac 50/60Hz	+/-10%	55mA

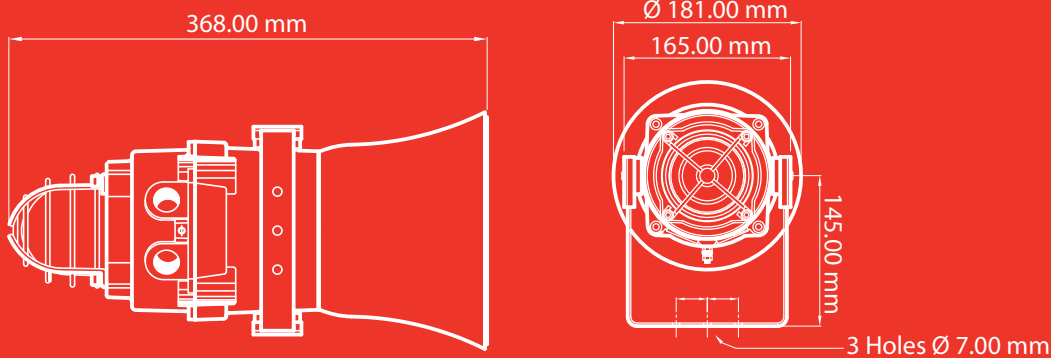
Part codes:

Part Code:	Classification:
BExCL1505D****	ATEX / IECEx: II 2G Ex d IIB T4 Ta. -50° to +70°C GOST-R: 1ExdIIBT4 Ta. -50° to +55°C
BExDCL1505D****	ATEX / IECEx: II 2G Ex d IIB T4 Ta. -50°C to. +70°C II 2D Ex tD A21 IP67 T115°C based on max Ta. of +70°C GOST-R: 1ExdIIBT4 Ta. -50° to +55°C DIP A21 Ta T5

**** = type reference:

Options:	70V	70V Line transformer
	100V	100V Line transformer
	8R	8 Ohm low impedance
	16R	16 Ohm low impedance





Specification:

Loudspeaker:

SPL:	102dB +/-3dB @ 1w @ 1m - Pink noise 113dB +/-3dB @ 15w (rated power) @ 1m
Rated power:	15 Watts RMS
70v line tapings:	15w / 7.5w / 3w / 1w (z=336.67 Ohms / 653.33 Ohms / 1.6k Ohms / 4.9k Ohms)
100v line tapings:	15w / 7.5w / 3w / 1w (z=666.87 Ohms / 1.34k Ohms / 3.34k Ohms / 10k Ohms)
Low impedance:	8 Ohm or 16 Ohm
Dispersion:	120° @ 1kHz & 32° @ 4kHz
Frequency range:	400Hz to 8000 Hz
DC Line monitoring:	2.2µF Capacitor (Transformer version) 470µF Capacitor (Impedance version)

Beacon:

Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	34,812 cd
Effective Intensity cd:	105 cd*
Lens colours:	Amber, Blue, Clear, Green, Red & Yellow
Tube life :	Emissions are reduced to 70% after 8 million flashes

General:

Ingress protection:	IP66/67
Housing material:	Marine grade copper free LM6 Aluminium
Housing finish:	Phosphated & powder coated
BExCL15-05 flare:	High impact UL94 V0 & 5VA FR ABS (Red)
BExDCL15-05 flare:	Anti-Static High impact ABS (Black)
Cable entries:	Dual M20 ISO (one stopping plug included)
Terminals:	0.5 to 4.0mm ² cables.
Line monitoring :	Min. 500 Ohm 2w, or 3k3 Ohm 0.5w or diode (dc versions).
Weight :	5.00kg

*SPL data +/-3dB(A). Measured at optimum voltage.

*Candela measurements representative of performance with clear lens at optimum voltage.

