

ABT-S203B ABT-S203BC

CEILING-MOUNTED LOUDSPEAKERS

- ✓ *Full compliance with EN 54-24 Standard*
- ✓ *Certificate of Conformity: 1438-CPR-0605*
- ✓ *Compliance with BS5839-8 standard (thermal protection)*
- ✓ *Available in white and black*



Ceiling mounted fire alarm ABT-S203B, ABT-S203BC loudspeakers are designed for operations at high acoustic levels and the highest reduction in power supply. Actual wide band high efficiency ensures the best understanding of verbal messages. Their parameters have been carefully selected to comply with suspended ceiling applications, both at standard and considerably elevated ceiling-to-floor distance.

Thanks to the most advanced technologies ABT-S203B, ABT-S203BC loudspeakers combine excellent acoustic parameters and high aesthetics with resistance to mechanical damages. They are distinguished by easy and quick installation.

Quality standards and audio characteristics have been confirmed through tests and trials in an anechoic chamber, resistance and integrity testing equipment, as well as chambers for resistance to weather and air humidity testing.

The ABT-S203B, ABT-S203BC loudspeakers ensure a balanced sound which is extremely important in emission of highly understandable speech.

The ABT-S203B, ABT-S203BC loudspeakers are noticeable thanks to its elegant

looks. The area of loudspeakers that is visible after the installation is covered by a common and aesthetic white paint coat (RAL 9003) – optionally available other colours (RAL palette).

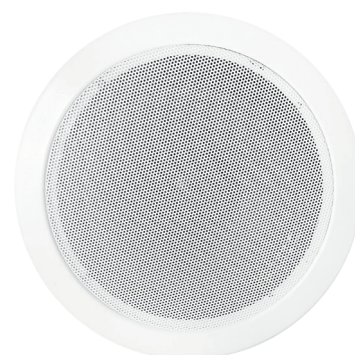
ABT-S203B, ABT-S203BC are equipped with a standardized fire dome made of soft steel and supplied with two cable penetrations with rubberglands. Special jig for sling assembling facilitates quick installation. Ceramic blocks and fireproof wiring coupled with temperature limit fuse are located inside fire dome. The individual power rating is selected by means of connection with applicable transformer branch.

ABT-S series loudspeakers equipped with fire dome and thermal protections entirely comply with EN 54-24 Standards. In order to ensure 100% consistency with the highest quality standards we test our loudspeakers following the most meticulous procedures that warrant high parameters of sound emission, safety, and reliability.

In spite of the fact our loudspeaker is designed for the highest reliability under fire conditions, their acoustic parameters and attractive low prices make them successful in any and all public address systems.

CHARACTERISTICS

- » *The highest level of speech intelligibility*
- » *Elegant looks*
- » *6 W transformer allowing a precise selection of loudspeaker output power*
- » *100% protection of line from breaks and short-circuits*



ABT-S203B / ABT-S203BC

Electrical

Rated power, W	3
Tappings 70 V line, W	3 / 1,5 / 0,75 / 0,37
Transformer impedance @70 V, Ω	1667 / 3333 / 6667 / 13333
Driver impedance, Ω	8
Effective frequency range, Hz	120 – 20 000
Sensitivity @ 4 m, 1 W, dB	79
SPL @ 4 m, rated power, dB	84
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz – 6 kHz	91
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz – 6 kHz	96
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	180 / 180 / 95 / 70

Environmental

Environmental type / IP rating according to EN 54-24	A / IP21C
IP rating	32C
Min./max. ambient temperature	-10°C / 55°C

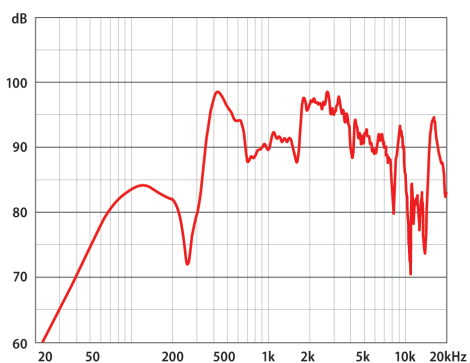
Mechanical

Dimensions, mm	Height 115, ϕ 199
Net weight, kg	1,13
Colour	White (RAL 9003) / Black (RAL 9011)
Material	Steel
Mounting	Spring clamp
Cut-out, mm	ϕ 175

Option

For DC line monitoring	Capacitor (ABT-S203BC)
Colour optional	RAL palette

Frequency band:



Circular chart of directional characteristic:

