

Section

Public Address

Category

EN 54-24 Loudspeakers

Code

C420-EN

References

Safety: Compliant to EN 60065
 Emergency: EN 54-24, EN 60849
 Application: Indoor environments (Type A)
 Protection degree: IP44



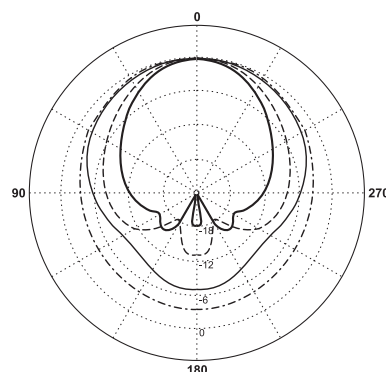
Certificate No.

0068-CPR-039/2016

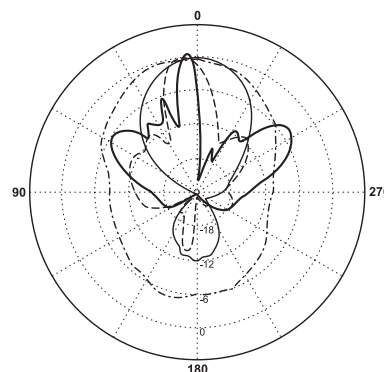
Description

Sound column for voice alarm systems, 20 W

The new columns of the **C400-EN** range feature loudspeakers with a broad response range and high-efficiency tweeters enabling perfect intelligibility of speech and accurate reproduction of music. These speaker units have been developed specifically for use in emergency and evacuation systems (VES) and each has its own ceramic terminal strip and thermal fuse. These ensure the protection of the line connecting the loudspeakers if a fire puts one or more of the speaker units connected to it out of use. This speaker units are fitted with fireproof cable according to **UNI 9795 2010** (length 80 cm). These columns can be turned in any direction thanks to the **S4-B** swivel joint included in the supply.

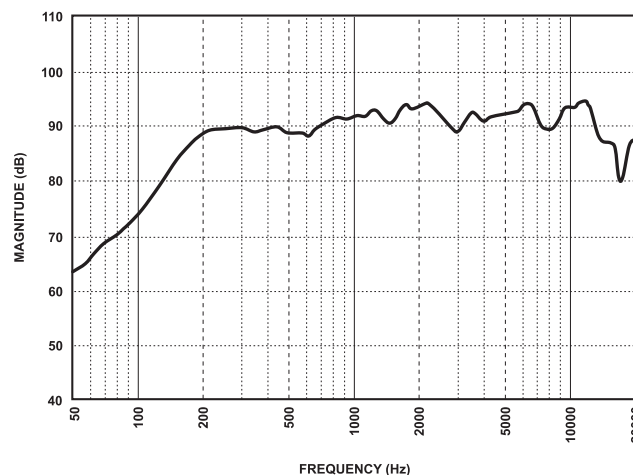


Horizontal plot



Vertical plot

Simulated free-field measurement.



Technical data

C420-EN



0068

PASO S.p.A Via Settembrini, 34 - 20020 Lainate (MI)

16

0068-CPR-039/2016

EN 54-24

Loudspeaker for voice alarm systems
for fire detection and fire alarm systems for buildings

C420-EN

Type A

Loudspeakers	4 + 1 tweeter	
Rated power	20 W (100 V)	
Ajustable power	20 - 10 - 5 W	
Sensitivity	92 dB (1W/1m)	
Max. sound pressure*	105 dB (20W/1m)	
Frequency response	180 ÷ 16.000 Hz	
Dispersion angle (-6 dB)	Horizontal plan 360° (500 Hz) 200° (1 kHz) 150° (2 kHz) 90° (4 kHz)	Vertical plan 130° (500 Hz) 75° (1 kHz) 35° (2 kHz) 20° (4 kHz)
Operating/storage temperature	-25°C ÷ +55°C / -40°C ÷ 70°C	
Relative humidity	< 95%	
Size	95 x 80 x 520 mm	
Weight	3,5 kg	

* Measurement made at the geometric center of the loudspeaker.