

Sonix™ Mute Ex

PA/GA Hmi local loudspeaker,
mute unit



Overview

Sonix™ Mute Ex is a compact unit, housing the circuitry for Hmi local mute loudspeakers, for use in Ex Areas. In areas where Hmi units are located, local mutable loudspeakers need to be installed to remove acoustic feedback or Larsen effect.

Features

- ATEX and IECEx certified
- Robust and reliable loudspeaker muting
- Remove the need for dedicated muted speaker cables from PA/GA cabinet, with up to 50% saving on cabling and installation
- Compact enclosure
- Rapid installation
- Simplifies acoustic design engineering
- Low maintenance
- Mute or attenuate feature
- Design focused MTBF / MTTR values

The Sonix™ Mute Ex solution allows for the connection of the mutable loudspeaker as part of the main amplifier loop whilst muting control is derived from the PA/GA cabinet. This new efficient feature removes the need for extensive, exposed mutable speaker cables back to the main PA/GA cabinets, with up to 50% saving on purchase, installation and maintenance costs.

The Sonix™ Mute Ex ensures that all mute speakers are fully monitored as part of a main amplifiers loop and not on an unmonitored spur from the central cabinet. The control and connection of local mutable loudspeakers is especially beneficial if relocating or adding Hmi units, as the cable installation is minimal, non-intrusive and quick to affix or move. This additional flexibility within the PA/GA system enhances the overall operation and maintenance of the system.

The Sonix™ Mute Ex unit automatically and silently mutes the local loudspeaker when the local Hmi unit is in use for live speech. Under normal operation, the local loudspeaker continues to broadcast all announcements and alarms from the PA/GA system. When in mute the main loudspeaker loop bypasses the mute speaker to maintain loop integrity.

Connectivity of the Mute to the Hmi unit is simply achieved by means of a 1 pair cable from the Hmi unit to the local loudspeaker mute unit.



Certifications

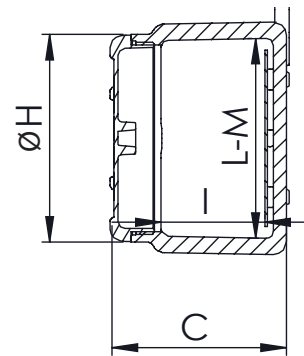
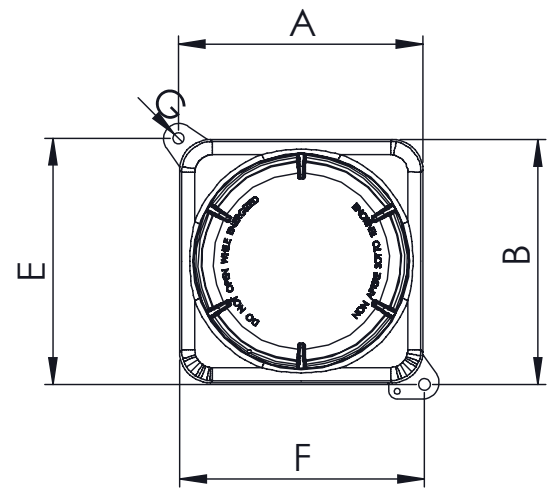
ATEX Ex d	Cert no. ITS14ATEX28053X Certified to: EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-26 Ex II 2G Ex d IIC T4 Gb -40°C ≤ Ta ≤ +60°C
IEC Ex d	Cert no. IECEx ITS 14.0039X Certified to: IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-26 Ex d IIC T4 Gb -40°C ≤ Ta ≤ +60°C
Other	CE, Environmental and EMC (IEC60945)

Specifications

Mechanical / environmental

Fixing	9 mm dia on 172 x 172 centres, industrial fixings
Weight	3.7 kg
Dimensions (H x W x D mm)	168 x 168 x 145 (200 x 200 incl. flanges)
Material	Cast aluminium
Operating temp	Suitable for operation from: -40 °C to +60 °C T6
Service location	Zone 1 & 2 (Gas)
Connectors	Polyamide screw terminals
Ingress protection rating	IP66
Electrical	
Relay voltage	12 Vdc
Max speaker wattage	50 W

General arrangement drawing (all dimensions in mm)



Dimensions (mm)	
A/B	168
E/F	172
C	145
G	9
ØH	154

Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

Model

Sonix-Mute-Ex