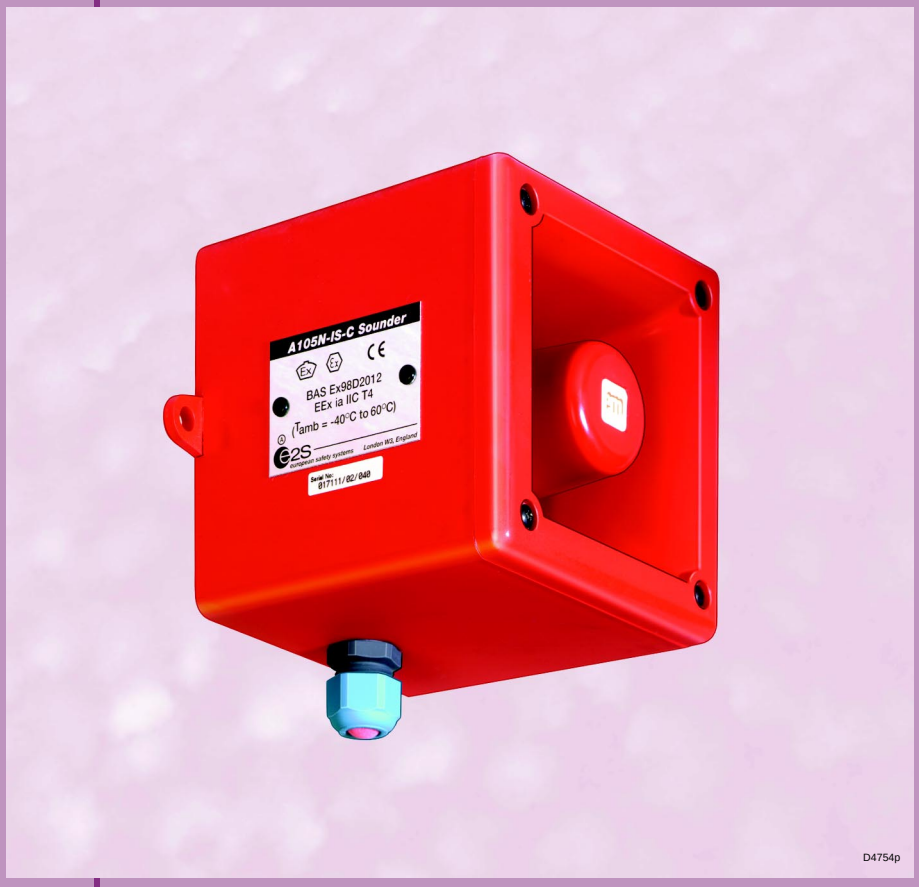


Horn for EEx i Circuits
Series A105-IS

- Explosion protection to
  – CENELEC
  – IEC
- Can be used in Zone 0, Zone 1 and Zone 2
- 32 different signal sequences adjustable with internal DIP switches
- 3 different signal sequences can be selected through an external switch with a given DIP switch setting
- 3 PEEFA signals (general alarm; toxic gas alarm; prepare to abandon platform)
- Volume control
- Robust ABS enclosure
- Tone emission synchronized with units being operated in parallel through quartz-controlled oscillators
- Option: speaker module, programmable

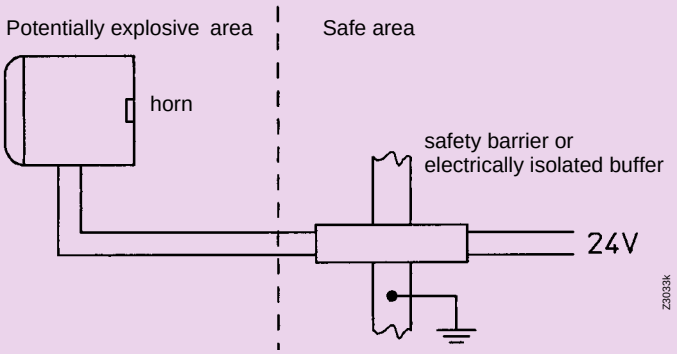
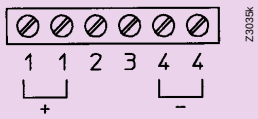
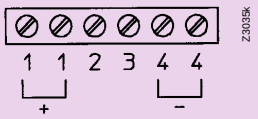
Selection table

Version	Description			Ordering code	Weight
	Volume	Explosion group	Voltage range		[kg]
Horn for EEx i circuits	max. 103 dB(A)	II C	8 V ... 30 V	**A105N – IS – C**	1
	max. 105 dB(A)	II B	8 V ... 30 V	**A105N – IS – B**	1

Note: A programmable announcement module can be supplied.

Refer to pages 9/144 ff. for adjustable tone sequences and tone sequence combinations for horns A105-IS, BExS110 and BExS120.

Zone 0, Zone 1 and Zone 2

Technical data		
Version	A105N-IS-B	A105N-IS-C
Explosion protection	EEx ia IIB T4 (T4 at + 60° C)	EEx ia IIC T4 (T4 at + 60° C)
Test certificate	BAS Ex 98D2011	BAS Ex 98D2012
Volume	105 dB(A) at 1 m; adjustable	103 dB(A), at 1 m; adjustable
Rated voltage	8 V ... 30 V	8 V ... 30 V
Rated current	25 mA; typically 28 V, 300 ohm, with a 24 V supply across a safety barrier	25 mA; typically 28 V, 300 ohm, with a 24 V supply across a safety barrier
EMC	to 89/336/EEC	to 89/336/EEC
Installation	to operate across any approved safety barrier whose output parameters do not exceed the following values: U_0 30 V, DC I_0 110 mA, DC P_0 0,85 W 	to operate across any approved safety barrier whose output parameters do not exceed the following values: U_0 30 V, DC I_0 110 mA, DC P_0 0,85 W
Enclosure material	ABS	ABS
Degree of protection	IP 65	IP 65
Ambient temperature	– 20° C ... + 60° C	– 20° C ... + 60° C
Cable entries	2 x M20	2 x M20
Connection	Terminals for 0,5 ... 2,5 mm^2 	Terminals for 0,5 ... 2,5 mm^2 

Dimensions, all dimensions in mm – subject to alteration