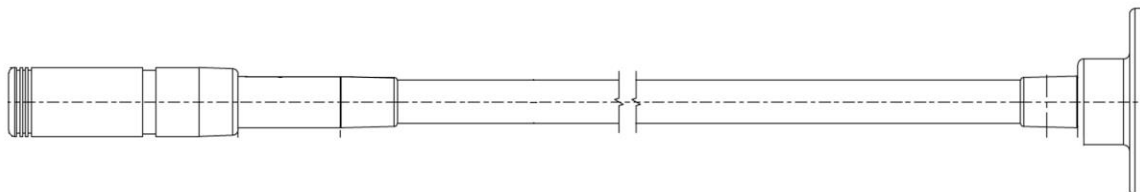


Microphones

Cab Gooseneck Microphone



Cab Gooseneck Microphone

Application

The Cab Gooseneck Microphone is used for live announcements by the driver

Identification	Short description
60.0200.0205	Cab Gooseneck Microphone

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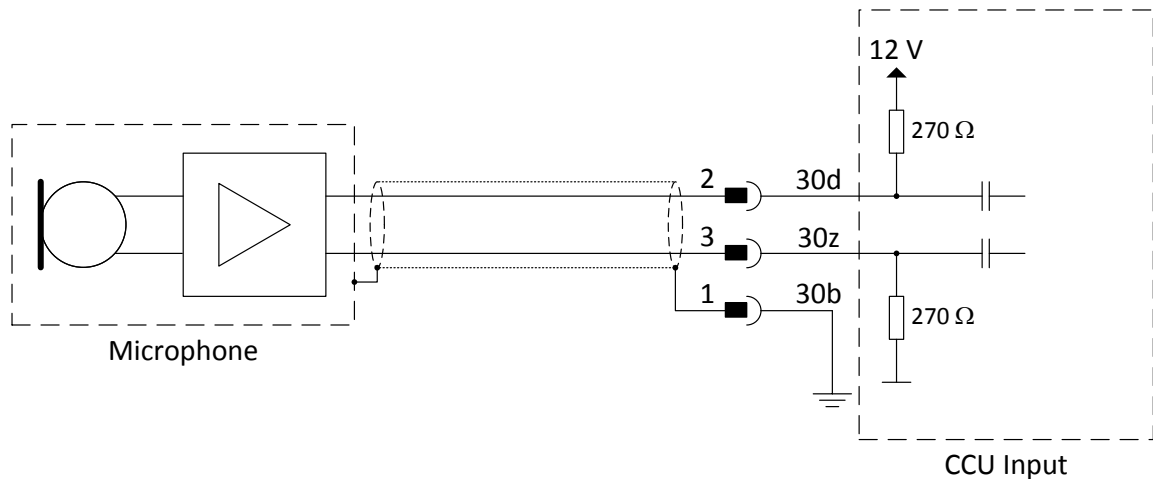
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Technical Description	
Product identification	Cab Gooseneck Microphone
Material-No.	60.0200.0205
Short description	Goosneck Microphone mounted on the desk of the driver cabin with shock absorber and integrated pre amplifier
Microphone capsule	
Sensitivity	45 mV/Pa \pm 3dB at 1000Hz
Frequency range	200 Hz up to 10 khz (-10dB)
Impedance	200 Ohms \pm 20% at 1 khz
Directional characteristic	cardioid (1khz/ 180°/approx. -24dB)
Cable	
Length	1000 \pm 40 mm
Connector	Binder 09-9747-00-03
Housing	
Dimension of Microphone capsule (D x L)	Ø24 x 80 mm
Dimension of Gooseneck (D x L)	Ø15 x 700 mm
Length of shock absorber	35,5 mm
Total length	840,5 mm including footplate
Colour	Black
Weight	500g
Mounting	via footplate with anti twist device screwed to the driver desk
Operation	
Temperature range (Operation)	-15°C-+70 °C
Storage condition	1K2 according to EN 60721-3-1
Power supply	12 V \pm 0,5 V over 2x 270 Ω phantom powering from CCU
Standards	
Certification	EN50155
EMC	EN 50121-3-2:2015
Fire safety	EN 45545-2 A1:2015

Block diagram:



Structure:

The goosneck microphone consists of a dynamic microphone capsule with an integrated preamplifier. The power supply is accomplished via phantom power supply from the attached Cab Control Unit (CCU). To activate this phantom power supply a bridge between X1-32d and X1-30b of the CCU has to set.

To decouple structure born noise from the driver desk a shock absorber is placed between gooseneck and microphone capsule.

Connectors:

X1 LF audio signal from microphone

Type Binder 09-9747-00-03

Connector	Pin	Signal
<p>3-pin, male</p>	1	Shield
	2	Mic +
	3	Mic -

Counter connectors

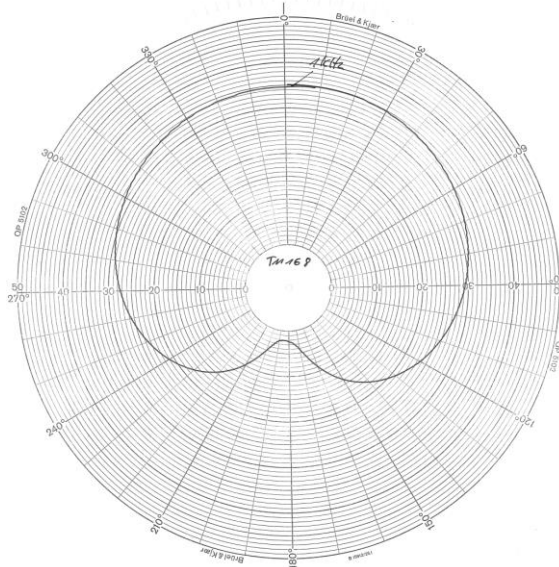
Connector	Description	Manufacturer	Part No.
X1	3-pin, female	Binder	09 9748 00 03
alternative	3-pin, female, with pull relief 2,5 – 4 mm	Binder	09 9748 70 03
alternative	3-pin, female, with pull relief 3,5 – 5 mm	Binder	09 9748 71 03

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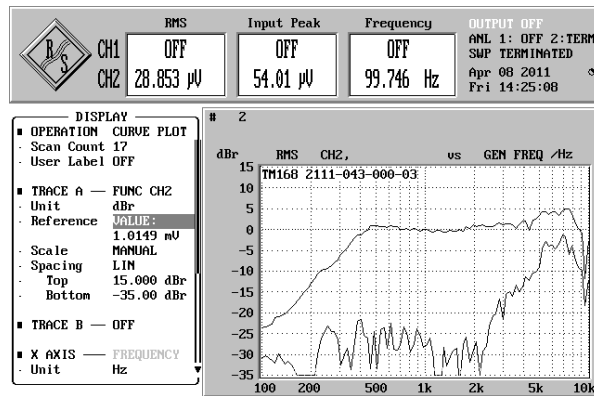
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Directivity diagram at 1 khz



Frequency response

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