



NSR 002/GM

IP SERVICE INTERCOM STATION

FOR RACK INSTALLATION

Due to the standardized front panel, the IP service intercom station is designed for use in system cabinets and control desks.

Its connectivity and health status is constantly monitored, logged and flexibly notified system-internally and to third-party systems.



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- All switching elements with corresponding labeling field
- Visual indication of call or busy status via LED
- For installation into system cabinets and control desks
- Front panel 19", 3 RU with speaker and 32 membrane keys
- Adjustable speaker volume and microphone sensitivity
- Adaptive echo cancellation for full-duplex hands-free communication
- Self-diagnostics by monitoring of internal electronics, microphone and network connectivity

COMPONENTS

Gooseneck microphone

Speaker module

Keypad 16 NIFK with 16 membrane keys installed in the instrument housing

Electronics unit

Key cover for 8 membrane keys to protect against accidental actuation

MECHANICAL DATA

Width x height x depth

483 mm x 3 RU x 155 mm
(19.02" x 3 RU x 6.10")

Weight

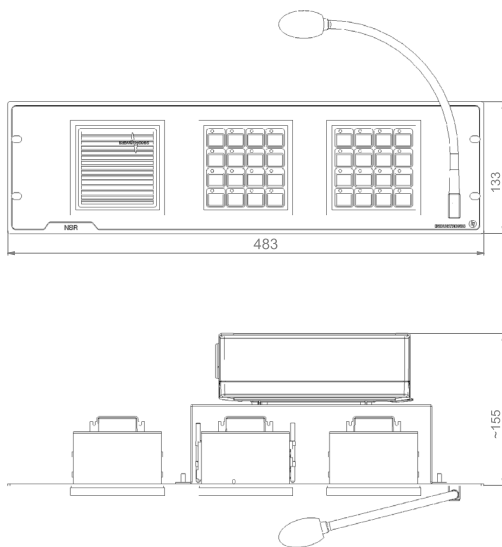
Approx. 3.0 kg (approx. 6.61 lbs)



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Subject to technical modifications - Doc. no. DAT-302-059-300 • V01 • EN • 26.06.2025

DIMENSIONS



ELECTRICAL DATA

Power supply	PoE according to IEEE 802.3af, Class 3, 15 W or external power supply (42 V DC to 57 V DC, 0.3 A at 48 V DC)
Quiescent current consumption	60 mA
Max. current consumption	270 mA
Frequency range	200 Hz to 16,000 Hz (+/-3 dB)
Amplifier power	0.75 W
Speaker	5 W / 8 Ohms
Potential-free inputs	3
Input voltage level of each input	Off: 0 V DC to 5 V DC On: 10 V DC to 72 V DC (current consumption max. 4 mA)
Potential-free outputs	3
Max. voltage and current value for each output	72 V DC, 100 mA
Auxiliary voltage output	48 V DC, 50 mA (operating voltage potential)

NETWORK REQUIREMENTS

Power over Ethernet (PoE) recommended
IPv4 network
Support of UDP, SCTP, RTP and RTCP protocols
Quality of Service (QoS) Ideal latency < 20 ms (max. 50 ms) Jitter max. 10 ms
10Base-T/100Base-TX Ethernet (IEEE 802.3), 100 MBit/s recommended
200 kBit/s basic bandwidth and 200 kBit/s per active audio channel

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	0 °C to +50 °C (+32 °F to +122 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of protection	IP40 (front side)
EMC	IEC/EN 61000-6-2 IEC/EN 61000-6-4

ORDER DATA

Type	Type Number
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