DS-22 NES92 IP Adapter-Gateway

| DS 22 | Web interface | NES 92 compatible | I/O | ANALOGUE DIGITAL | SOS | 19" | + more |

DS-22
NES22 SIP-GW
3 328 6

0   1

M3, 15A   M3, 15A
A   B

M3, 15A   M3, 15A
C   D

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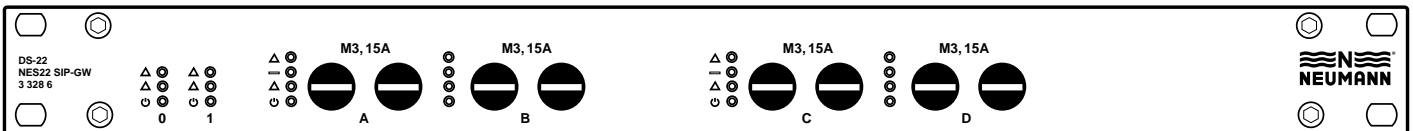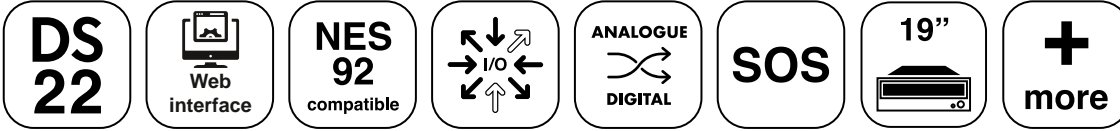
Proven Neumann Elektronik quality

- IP adapter for NES92 SOS call stations in 6-wire technology

- Up to 4 channels / SOS lines in one unit

- Up to 16 Neumann NES92 SOS columns / hands-free units can be operated in parallel

- Line lengths up to 20km possible (6-wire technology)

- DC power supply for terminal units (optionally local)

- Remotely controllable monitoring of microphone and loudspeaker

- Remote control of NES92 relay K1

- Fuse monitoring

- Software PLC

- Watchdog

- LED status indicators of unit status and SOS lines

- Redundancy: Two Power OFF Loop sockets for looping through the NES line to another unit

- Fault signalling concept IoT MQTT interface for connection to Scada and management systems

- Fault signalling contact

- Easy-to-use web interface for unit configuration

- 19" rack housing / 1U

The NES22 SIP adapter gateway is used to couple up to four 6-wire NES92 emergency line cables to the Neumann SIP-based emergency call workstation (TIMM).

It contains amplifiers for the trans with, receive and data RF voltages, generates and receives the voltages for automatic testing, and provides for the feeding and monitoring of the operating DC current of the connected emergency call units and, if necessary, of an NLT line amplifier.

With its 10/100 Mbit Ethernet connection, the adapter can be used in practically all IP-based networks and compatibly replaces the previous solution with an MDK central unit and corresponding plug-in units.

NF transmission / reception to and from an emergency call unit:
For AF transmission to and from the emergency call unit, one pair of wires is used each and fed transformer-symmetrically to the emergency call units.

Data traffic with the emergency call units:
FSK (Frequency Shift Keying) data telegrams are used for data traffic with the emergency call units, which are normally transferred to the emergency call units one after the other in both directions via a separate wire pair.

DC power supply / phantom power supply:
For the power supply of the connected emergency call units, the four LF emergency call line cables additionally receive a symmetrically fed direct current. For control and protection of this direct current, the plug-in unit contains a corresponding supply circuit. The existing output voltage is indicated by the green „Line" LED. In case of fuse failure or overload, this indication goes out. At the same time, a corresponding fault message is initiated.

Monitoring functions:
The emergency call units of the NES92 emergency call system can be monitored electrically and acoustically by the emergency call centre. For this purpose, the NES22 SIP Adapter Gateway sends a test tone to the loudspeaker of the emergency call unit to be tested and checks the correct transmission by means of the emergency call unit microphone.

For further possible applications, please contact your sales representative.

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Art. no.	3 328 6
Mechanical data	
Weight	Approx. 3.8kg
Housing dimensions (HxWxD)	43mm x 483mm x 284mm
Enclosure dimensions Rack mounting	19" / 1U
Electrical data	
Operating voltage range	DC 48V (optional DC 60V)
Power consumption	Max. 50W
Connectivity	
Ethernet interfaces	1 (IEEE 802.3u)
Service interfaces	1
Transmission protocol	NES92: Neumann-FSK-SOS-Protocol IP: SIP
IP hardware interface	LAN: 100-BASE-T Autonegotiation Ethernet according to IEEE 802.3u (100Mbit/s)
Serial interfaces	RS232 (D-Sub-9 connector) / RS422/485 (2/4-wire)
I/O Interfaces:	1 relay (change-over switch, AC 240V, 5 A) 4 NF inputs aS / bS: -10dBm (RE = 600 Ω) 4 NF FSK inputs a-FSK / b-FSK: -6dBm (RE = 600 Ω) 4 AF outputs aE / bE: -10dBm (RE = 600 Ω)
Environmental conditions	
Temperature range	0°C to +40°C
Protection class according to DIN EN 60529, or IEC 60529	IP20

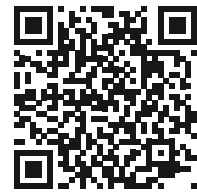| Accessories		
8 989 4	NES92 FE	SOS Hands-free insert orange
8 890 6	NES92 FE	SOS Hands-free insert red
8 991 7	NES92 FE	SOS Hands-free insert VIENNA

Neumann Elektronik system overview

| TIMM | TIMM SMART | DS 6 | PACE EN 54-16 | DS 22 | + more |

https://neumann-elektronik.com/system-overview

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