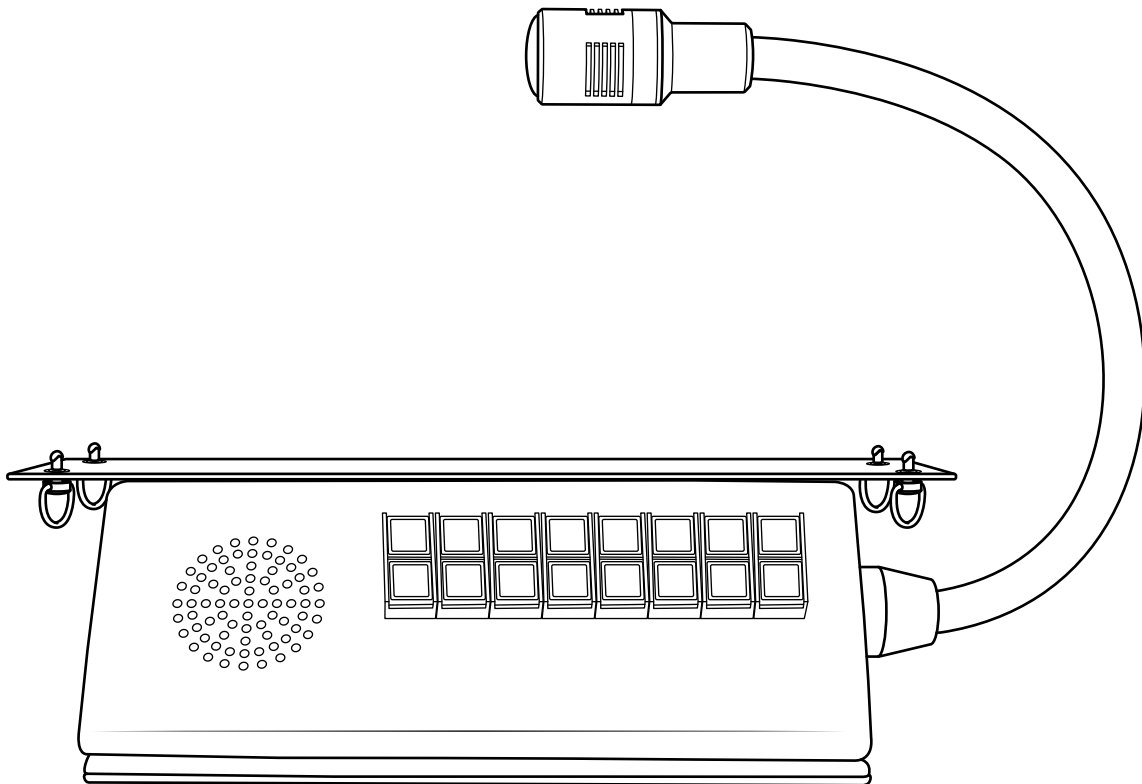


DS-22 DKS IP

Digital crane call station



Proven Neumann Elektronik quality

- Full compatibility with DS-22 system / SPI-22 platform
- Remotely configurable and remotely monitorable
- Configuration via WEB interface
- Dual use - Native SIP protocol / terminal or WL/EL Neumann protocol selectable
- Half / full duplex compatibility
- Software PLC
- Direct voice connections via key-controlled line selection
- High speech intelligibility (up to 22kHz bandwidth - depending on codec selection)
- Low and high volume control (12dB level reduction)
- Integrated voice memory
- Free key assignment as WL target keys or for local functions
- Integrated Class-D 7W amplifier for horn loudspeaker for best speech intelligibility with wide frequency range
- Line keys can be freely assigned to destinations
- Status messages, such as call and busy signals, are indicated by LEDs
- Cyclic acoustic test for microphone and loudspeaker monitoring
- Fault management via IoT MQTT interface

- **Adjustable and monitored electret microphone with electronic noise compensation and dynamic compression**
- **Microphone / loudspeaker monitoring**
- **Dust- and water-resistant V2A and aluminium housing**
- **Dynamic built-in loudspeaker**
- **Flexible gooseneck electret microphone 420mm length**
- **Call station with 16 push-button line keys**
- **Switchable volume reduction, e.g. for night operation**
- **Integrated connection for monitoring or announcement loudspeaker**
- **Integrated power supply**
- **Integrated PoE injector**
- **Power supply of an external WLAN access client via the crane station (PoE)**
- **Mounting on the seat of the crane or excavator operator**

The DS-22 DKS IP digital crane call station is used in intercom systems in the DS-22 decentralised communication system. It enables direct voice connections with other call stations and loudspeaker announcements outdoors and in rooms with a rough or noisy environment, e.g. in heavy industry operations with crane or excavator technology.

The DS-22 DKS IP digital crane call station is designed for communication via wireless LAN.

A WLAN access client / point is not included in the scope of delivery of the unit, but can be purchased from the manufacturer as an accessory, see Accessories. The units comply with both IEEE 802.11a/b/g/h/i and IEEE.802.11n standards for WLAN connections with two different frequency bands 2.4GHz and 5GHz.

The DS-22 DKS IP digital crane call station has sixteen destination buttons and is available in the housing colour pure orange RAL 2004.

The DS-22 WFD IP weatherproof digital call station is connected to the DS-22 network via standard network cables.

In addition, the DS-22 DKS IP digital crane call station must be supplied with AC 230V.

| | |
|--|---|
| Technical data | |
| Art. no. | 1 196 7 |
| Mechanical data | |
| Weight | Approx. 5kg |
| Housing dimensions (HxWxD) | 270mm x 194mm x 90mm (without gooseneck microphone and without mounting plate) |
| Housing colour | Pure orange (RAL 2004) |
| Material | V2A / Aluminium |
| Number of talk keys | 16 |
| Electrical data | |
| Nominal power consumption | 20W |
| Frequency range | 100Hz to 22kHz (depending on the set codec) |
| Connectivity | |
| Mains supply | Mains supply with AC 230V |
| Ethernet interfaces | 1 (IEEE 802.3u) |
| Service interfaces | 1 |
| Transmission protocol | Neumann DS-22 IP |
| Environmental conditions | |
| Temperature range | 0°C to +50°C |
| Protection class according to DIN 60529, resp. IEC 60529 | IP65 |

| Accessories | |
|----------------|--|
| 919 1116 946 7 | Indoor WLAN access client / point according to IEEE 802.11 a/b/g/h/n equipped with two radio modules. For use in the crane or excavator cabin and/or as a ground station for the 2.4GHz and 5GHz frequency bands. Protection class: IP30 |
| 919 1116 945 6 | Outdoor WLAN access client / point according to IEEE 802.11 a/b/g/h/n. Use in the crane or excavator cab and/or as a ground station for the 2.4GHz and 5GHz frequency bands. Protection class: IP65/67 |
| 949 1412 102 3 | Power supply unit for supplying the WLAN access client / point for mounting rail installation (only suitable for indoor use) |
| 949 1412 103 4 | Power supply unit for supplying the WLAN access client / point for mounting rail installation. (for outdoor use, the unit must be housed in a weatherproof enclosure) |
| 919 1150 019 6 | Omnidirectional rod antenna for outdoor use. Frequency band: 5GHz |
| 919 1150 018 5 | Omnidirectional rod antenna for outdoor use. Frequency band: 2.4GHz |
| 999 1980 263 6 | Antenna connection cable, 3 metres |
| 919 1111 446 7 | Illuminant LED white for use in push buttons |
| 929 1216 026 8 | Push-button cover clear for push buttons |
| 223 0101 156 1 | Bracket for crane call station |
| 999 1980 240 1 | 2m power supply cable with moulded connector 7/8" and screw cap, IP67 |
| 999 1980 241 2 | 5m power supply cable with moulded connector 7/8" and screw cap, IP67 |
| 999 1980 242 3 | 10m power supply cable with moulded connector 7/8" and screw cap, IP67 |
| 999 1980 245 6 | 2m network connection with moulded plugs, M12 coupling on one side, IP67 |
| 999 1980 246 7 | 5m network connection with moulded plugs, M12 coupling on one side, IP67 |
| 999 1980 247 8 | 10m network connection with moulded connectors, M12 coupling on one side, IP67 |
| 989 310 7041 2 | Quick access locking ring |
| 989 310 7042 3 | Hanger handle with quick release fastener |
| 989 3107 040 1 | Quick access shock absorber |
| 929 1216 022 4 | Lamp puller |
| 929 1215 051 5 | Puller for hoods |
| 919 1250 011 9 | Replacement battery |

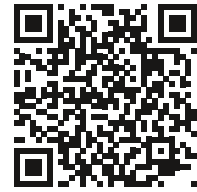
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Neumann Elektronik system overview



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



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