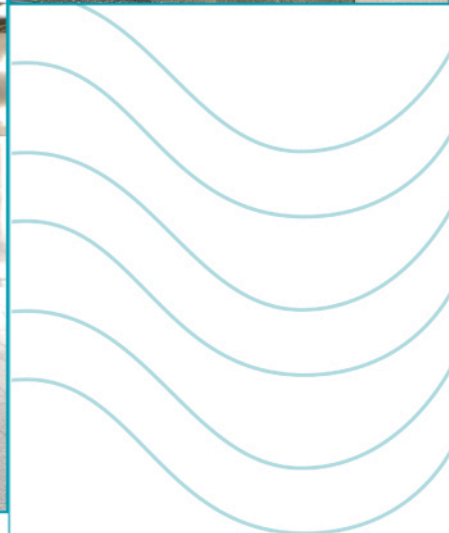


NEUMANN ELEKTRONIK GMBH

System Manufacturer and System Integrator
for Information and Safety Technology



Product Catalogue Emergency Call & Information Pillars (NIS)



NEUMANN

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Examples of use



NIS 2000-2
Airport Düsseldorf International, Terminal B,
Germany



NIS 97-2
ICE station, Frankfurt am Main,
Deutsche Bahn AG (German Rail)



NIS 97-2
S-Bahn station Hannover Messe/Laatzen,
Deutsche Bahn AG (German Rail)



NIS 03
Underground station Arena/Messe-Nord,
Rheinbahn Düsseldorf, Germany
(Public transport)



NIS 97-2
Station Warendorf, Deutsche Bahn AG
(German Rail)



NIS 02
üstra Hannoversche Verkehrsbetriebe AG
Germany (Public transport)

Emergency Call & Information Pillar NIS 97-2

NIS 97-2 / Design 1, Pillar

Standard Equipment

- Emergency Call and Info button
- Additional button for wheel chair users
- Out of order display
- Loudspeaker, 2 microphones
- Completely wired with connector and hands-free set enclosure

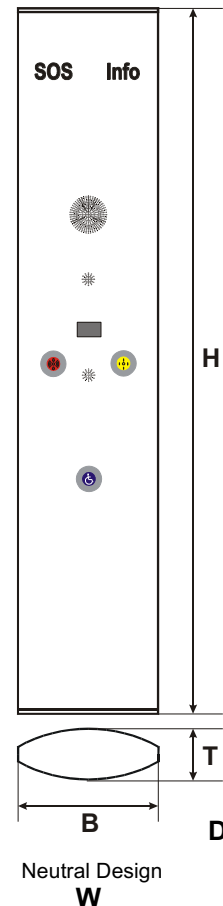
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Hands-free set "NIS-over-IP"
- Base plate for floor mounting, Art. No. 22 3 0508 201 3
- Choice of colours

Technical Data

Dimensions (H x W x D)	2300 x 460 x 165 mm
Weight	approx. 46 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



NIS 97-2 Example: Deutsche Bahn AG (German Rail)

Art. No. 8 201 1

- Colour: signal red (RAL 3001) / night blue (RAL 5022)
- EBA approval: Pr. 2131 Hg 313 / 98
- Hands-free set **not** included!

Optional Equipment Variation

- Hands-free set "6-wire/analogue", Art. No. 22 1 0408 201 0
- Hands-free set "So-DSS1", Art. No. 22 1 0208 201 8

Art. No. 8 206 6

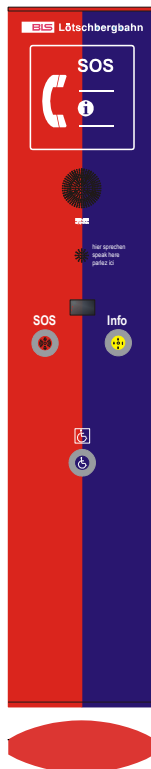
- Incl. hands-free set "IP technology"

Art. No. 8 207 7

- Incl. hands-free set "IP technology"
- Custom height: 1850 mm

Art. No. 8 208 8

- Incl. hands-free set "GSM-R with antenna"



NIS 97-2 Example: BLS Lötschbergbahn AG, Switzerland (Public transport)

Art. No. 8 204 4

- Colour: signal red (RAL 3001) / night blue (RAL 5022)
- Custom height: 2200 mm
- Incl. hands-free set "6-wire/analogue",

Art. No. 8 203 3

- As above
- With 30 W / 100 V auxiliary amplifier, Art. No. 22 2 0608 203 5



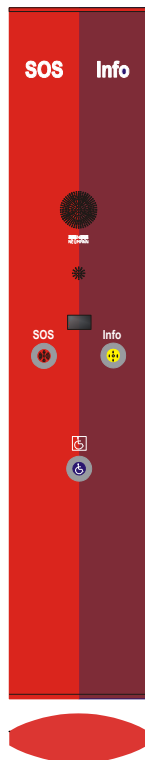
NIS 97-2 Example: Hannover-Messe, Germany (Fair, Public transport)

Art. No. 8 205 5

- Colour: flame red (RAL 3000)
- Hands-free set **not** included!

Optional Equipment Variation

- Hands-free set "6-wire/analogue", Art. No. 22 1 0408 201 0
- Hands-free set "So-DSS1", Art. No. 22 1 0208 201 8



**NIS 97-2 Example:
Verkehrsbetriebe Ludwigshafen VBL, Germany
(Public transport)**

Art. No. 64 1 0104 168 1

- Colour: flame red (RAL 3000) / black red (RAL 3007)
- Hands-free set **not** included!

Optional Equipment Variation

- Hands-free set "6-wire/analogue", Art. No. 22 1 0408 201 0
- Hands-free set "So-DSS1", Art. No. 22 1 0208 201 8

Art. No. 64 1 0104 193 9

- Incl. hands-free set "6-wire/analogue",
- With 30 W / 100 V auxiliary amplifier, Art. No. 22 2 0608 203 5

Front view Back view



**NIS 97-2 Example:
Slovenske železnice, Hodos, Slovenia (Public transport)**

Art. No. 64 1 0104 198 4

- Colour: traffic red (RAL 3020)
- Incl. hands-free set "6-wire/analogue",

Art. No. 64 1 0104 224 4

- As above
- Incl. hands-free set „So-DSS1“

NIS 97-2 / Design 1, Wall-mounted

Standard Equipment

- Emergency Call and Info button
- Additional button for wheel chair users
- Out of order display
- Loudspeaker, 2 microphones
- Completely wired with connector and hands-free set enclosure

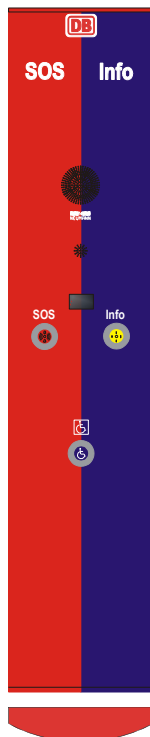
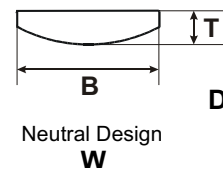
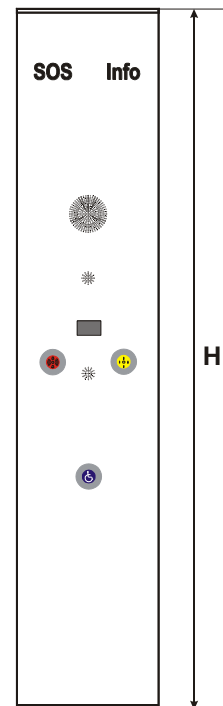
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Choice of colours

Technical Data

Dimensions (H x W x D)	2200 x 460 x 120 mm
Weight	approx. 46 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



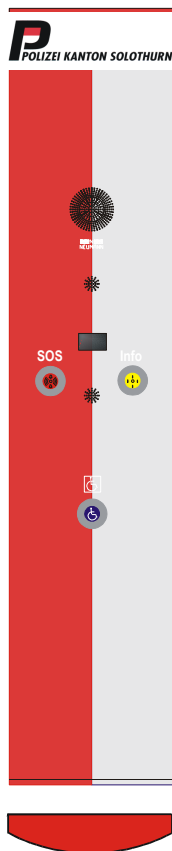
NIS 97-2 Example: Deutsche Bahn AG (German Rail)

Art. No. 8 221 3

- Colour: signal red (RAL 3001) / night blue (RAL 5022)
- EBA approval: Pr. 2131 Hg 313 / 98
- Hands-free set **not** included!

Optional Equipment Variation

- Hands-free set "6-wire/analogue", Art. No. 22 1 0408 201 0
- Hands-free set "So-DSS1", Art. No. 22 1 0208 201 8



NIS 97-2 Example: Polizei Kanton Solothurn, Switzerland (Police)

Art. No. 64 1 0104 223 3

- Colour: traffic red (RAL 3020) / white aluminium (RAL 9006)
- Incl. hands-free set „So-DSS1“, Art. No. 22 1 1108 201 8

Optional Equipment Variation

- Hands-free set “6-wire/analogue”, Art. No. 22 1 0408 201 0

NIS 97-2 / Design 2, Pillar (Info)

Standard Equipment

- Info button
- Additional button for wheel chair users
- Out of order display
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

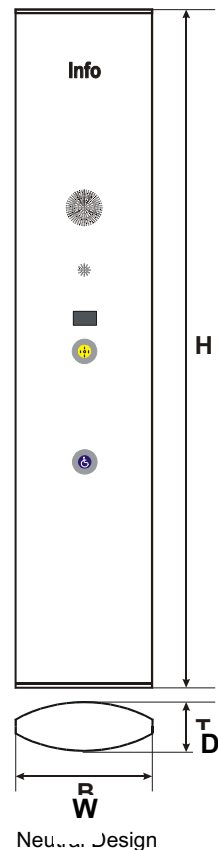
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Hands-free set "NIS-over-IP"
- Hands-free set "GSM and GSM-R with antenna"
- Base plate for floor mounting, Art. No. 22 3 0508 201 3
- Choice of colours

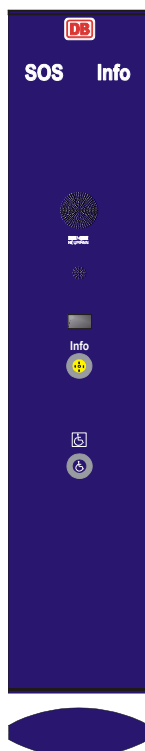
Technical Data

Dimensions (H x W x D)	2300 x 460 x 165 mm
Weight	approx. 46 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



Neumann Design



NIS 97-2 Example: Deutsche Bahn AG (German Rail)

Art. No. 8 209 9

- Colour: night blue (RAL 5022)
- Hands-free set **not** included!

Optional Equipment Variation

- Hands-free set "6-wire/analogue", Art. No. 22 1 0408 201 0
- Hands-free set "So-DSS1", Art. No. 22 1 0208 201 8

NIS 97-2 / Design 2, Pillar (Emergency Call)



NIS 97-2 Example: Polizei Lausanne, Switzerland (Police)

Art. No. 64 1 0104 225 5

- Colour: mint turquoise (RAL 6033)
- Incl. hands-free set "So-DSS1", Art. No. 22 1 0208 201 8
- Equipped as NIS 97-2 / Design 2, but with Emergency Call button instead of Info button.

NIS 97-2 / Design 2, Solar Pillar (Info)

Standard Equipment

- Info button
- Additional button for wheel chair users
- Out of order display
- Loudspeaker, 2 microphones
- Solar panel module, 2 maintenance-free batteries inside enclosure
- Completely wired with connector and hands-free set enclosure

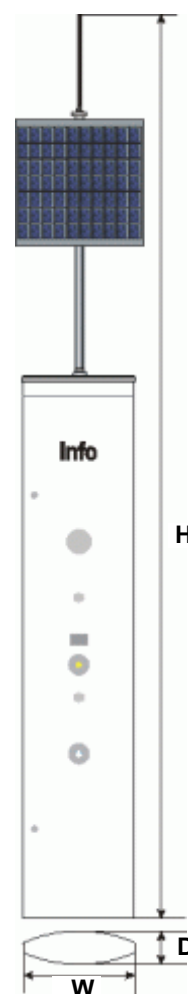
Optional Equipment

- Base plate for floor mounting, Art. No. 22 3 0508 201 3
- Choice of colours

Technical Data

Dimensions (H x W x D)	3800 x 460 x 165 mm
Weight	approx. 50 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



Neutral Design

NIS 97-2 Example: Deutsche Bahn AG (German Rail)

Art. No. 8 210 1

- Colour: night blue (RAL 5022)
- Incl. hands-free set "GSM with antenna"

NIS 97-2 / Design 3, Pillar

Standard Equipment

- Emergency Call and Info button
- Button for general services (e.g. taxi)
- Out of order display
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

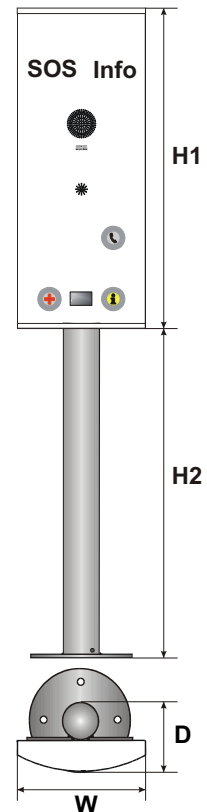
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Pole-mount hardware, Art. No. 64 2 0104 200 3
- Choice of colours

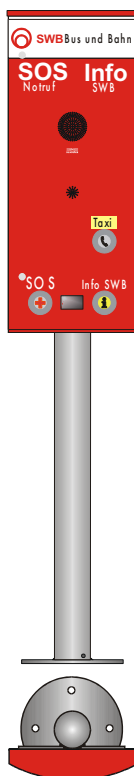
Technical Data

Dimensions (H1 x W x D)	1150 x 460 x 220 mm
H2, adjustable with 5 positions	965 to 1165 mm
Weight	approx. 46 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



Neutral Design



NIS 97-2 Example: Stadtwerke Bonn, Germany (Municipal utility)

Art. No. 64 1 0104 187 2

- Colour: signal red (RAL 3001) / traffic white (RAL 9016)
- Incl. hands-free set „So-DSS1“, Art. No. 62 1 0104 187 0

NIS 97-2 / Design 3, Wall-mounted

Standard Equipment

- Emergency Call and Info button
- Button for general services (e.g. taxi)
- Out of order display
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

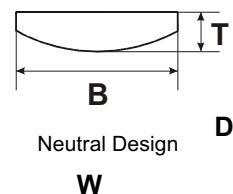
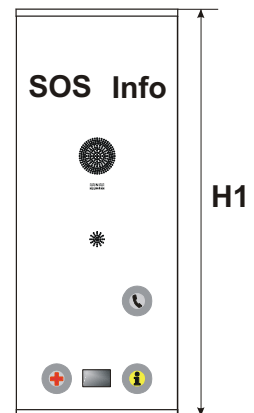
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Base plate for floor mounting, Art. No. 22 3 0508 201 3
- Choice of colours

Technical Data

Dimensions (H1 x W x D)	1150 x 460 x 220 mm
Weight	approx. 18 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



NIS 97-2 Example: Stadtwerke Bonn, Germany (Municipal utility)

Art. No. 64 1 0104 187 2

- Colour: signal red (RAL 3001) / traffic white (RAL 9016)
- Incl. hands-free set „So-DSS1“, Art. No. 62 1 0104 187 0

Emergency Call & Information Pillar NIS 2000-2

NIS 2000-2 / Design 1, Pillar

Standard Equipment

- Emergency Call and Info button
- Additional button for wheel chair users
- Out of order display
- Loudspeaker, 3 microphones
- Completely wired with connector and hands-free set enclosure

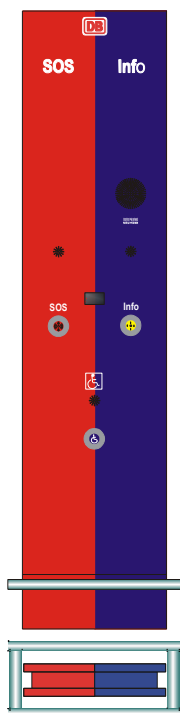
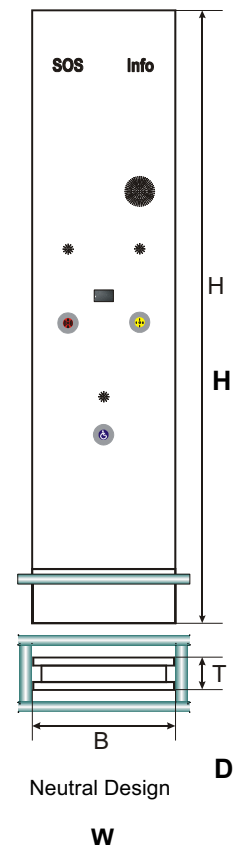
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Hands-free set "NIS-over-IP"
- Choice of colours

Technical Data

Dimensions (H x W x D)	2500 x 538 x 135 mm
Dimensions ram-protection-frame (W x D)	710 x 320 mm
Weight	approx. 59 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



NIS 2000-2 Example: Deutsche Bahn AG (German Rail)

Art. No. 8 241 5

- Colour: signal red (RAL 3001) / night blue (RAL 5022)
- EBA approval: Pr. 2131 Hg 313 / 98
- Hands-free set not included!

Optional Equipment Variation

- Hands-free set „6-wire/analogue“, Art.-No. 22 1 0408 241 4
- Hands-free set „So-DSS1“, Art.-No. 22 1 0208 241 2 with auxiliary amplifier, Art. No. 22 2 0608 203 5

Art. No. 8 243 7

- Incl. hands-free set "IP technology"

NIS 2000-2 / Design 2, Pillar

Standard Equipment

- Emergency Call and Info button
- Out of order display
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

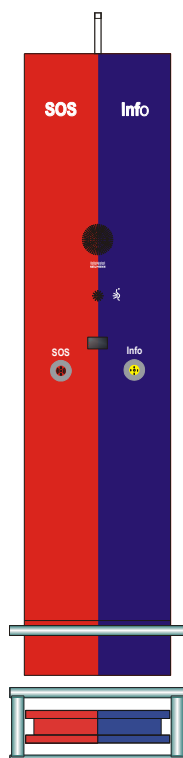
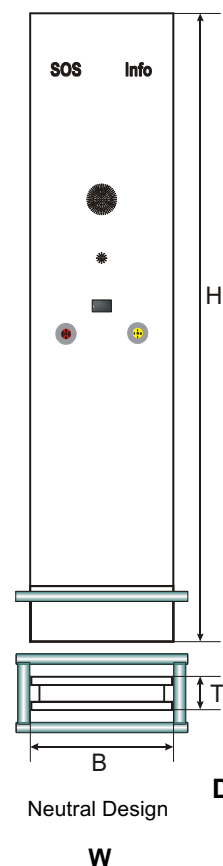
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Hands-free set "NIS-over-IP"
- Hands-free set "GSM and GSM-R with antenna"
- Base plate for floor mounting, Art. No. 22 3 1008 240 2
- Choice of colours

Technical Data

Dimensions (H x W x D)	2500 x 538 x 135 mm
Dimensions ram-protection-frame (W x D)	710 x 320 mm
Weight	approx. 59 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



NIS 2000-2 Example: GSM Technology

Art. No. 8 244 8

- Colour: signal red (RAL 3001) / night blue (RAL 5022)
- Incl. hands-free set "GSM with antenna"

NIS 2000-2 / Design 3, Pillar (Info)

Standard Equipment

- Info button
- Additional button for wheel chair users
- Out of order display
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

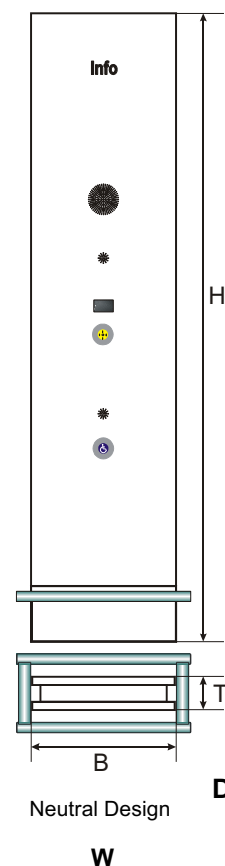
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Hands-free set "NIS-over-IP"
- Hands-free set "GSM and GSM-R with antenna"
- Base plate for floor mounting, Art. No. 22 3 1008 240 2
- Choice of colours

Technical Data

Dimensions (H x W x D)	2500 x 538 x 135 mm
Dimensions ram-protection-frame (W x D)	710 x 320 mm
Weight	approx. 59 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply: "6-wire/analogue": -30° to +70° C, „GSM-R": -20° to +50° C.



NIS 2000-2 / Design 4, Pillar

Standard Equipment

- Emergency Call and Info button
- Additional set of buttons for wheel chair users
- Out of order display
- Loudspeaker, 2 microphones
- Completely wired with connector and hands-free set enclosure

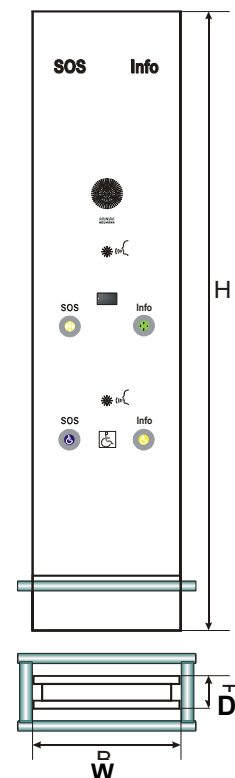
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Base plate for floor mounting, Art. No. 22 3 1008 240 2
- Choice of colours

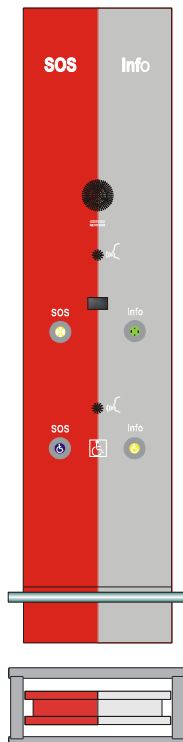
Technical Data

Dimensions (H x W x D)	2500 x 538 x 135 mm
Dimensions ram-protection-frame (W x D)	710 x 320 mm
Weight	approx. 59 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



Neumann Design



NIS 2000-2 Example: Airport Düsseldorf International, Germany

Art. No. 64 1 0104 196 2

- Colour: flame red (RAL 3000) / white aluminium (RAL 9006)
- Incl. hands-free set "6-wire/analogue",
- Back lighting of the large "SOS" and "Info" lettering

NIS 2000-2 / Design 5, Pillar

Standard Equipment

- Emergency Call and Info button
- Plexiglas window for optional camera
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

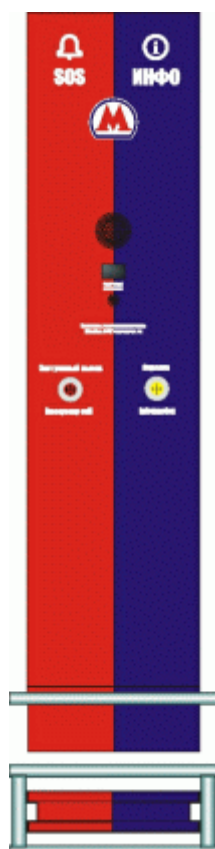
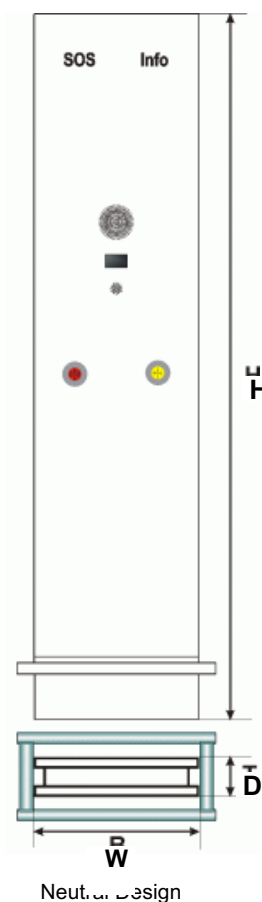
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Base plate for floor mounting, Art. No. 22 3 1008 240 2
- Out of order display
- Choice of colours

Technical Data

Dimensions (H x W x D)	2500 x 583 x 135 mm
Dimensions ram-protection-frame (W x D)	710 x 320 mm
Weight	approx. 59 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
"6-wire/analogue": -30° to +70° C, "GSM-R": -20° to +50° C.



NIS 2000-2 Example: Metro Moscow, Russia

Art. No. 8 245 9

- Colour: signal red (RAL 3001) / night blue (RAL 5022)
- Incl. hands-free set „So-DSS1“

Emergency Call & Information Pillar NIS 01

NIS 01 / Design 1, Wall-mounted

Standard Equipment

- Emergency Call and Info button
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure

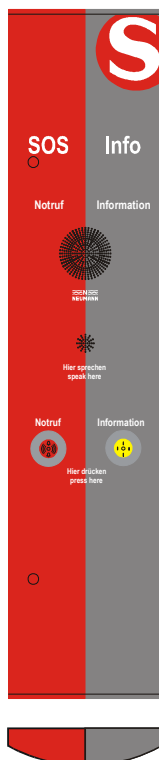
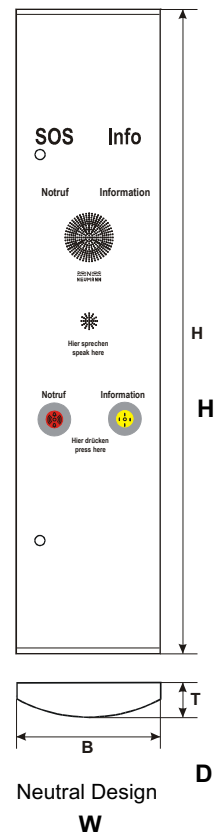
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Choice of colours

Technical Data

Dimensions (H x W x D)	1630 x 360 x 110 mm
Weight	approx. 42 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	Aluminium
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



NIS 01 Example: S-Bahn Hamburg, Germany (Public transport)

Art. No. 8 080 6

- Colour: traffic red (RAL 3020) / iron grey (RAL 7011)
- Incl. hands-free box, but without hands-free electronics

Emergency Call & Information Pillar NIS 02

NIS 02 / Design 1, Pillar

Standard Equipment

- Emergency Call and Info button
- Loudspeaker
- Microphone
- Completely wired with connector and hands-free set enclosure

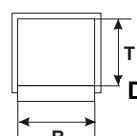
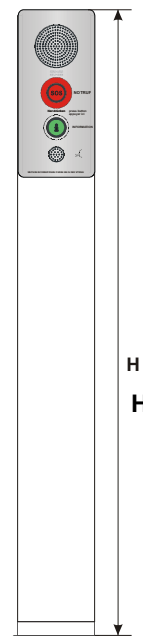
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Choice of colours

Technical Data

Dimensions (H x W x D)	1380 x 168 x 140 mm
Weight	approx. 30 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	V2A Stainless steel
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



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NIS 02 Example:

üstra Hannoversche Verkehrsbetriebe AG, Germany (Public transport)

Art. No. 8 090 7

- Colour pillar: traffic red (RAL 3020) / opel green (OP 308)
- Colour hands-free set: white aluminium (RAL 9006)
- Incl. 10-W amplifier and wiring
- Hands-free set **not** included!

Optional Equipment Variation

- Hands-free set "So-DSS1", Art. No. 8 986 1

Emergency Call & Information Pillar NIS 03

NIS 03 / Design 1, Pillar

Standard Equipment

- Emergency Call and Info button
- Additional button for wheel chair users
- Braille around talk button bevel
- Out of order display
- Loudspeaker, microphone
- Completely wired with connector and hands-free set enclosure
- Incl. 1400 mm mounting base (1000 mm sunk into ground) and pedestal trim of brushed stainless steel

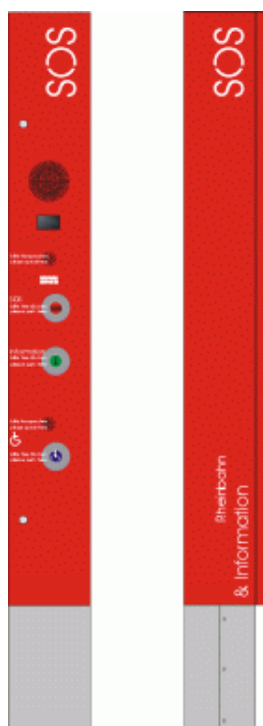
Optional Equipment

- Hands-free set "6-wire/analogue", w/ or w/o auxiliary amplifier
- Hands-free set "So-DSS1", w/ or w/o auxiliary amplifier
- Hands-free set "GSM and GSM-R with antenna"
- 400 mm pedestal for mounting on foundation, Art. No. 213 3906 042 0
- Wall-mount hardware
- Choice of colours

Technical Data

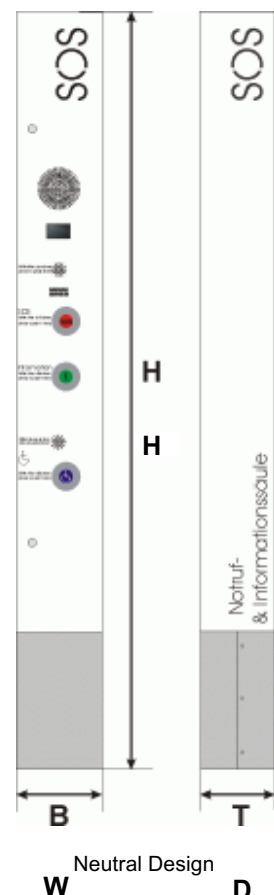
Dimensions (H x W x D)	2200 x 250 x 250 mm
Weight	approx. 50 kg
Protection class per DIN EN 60529 / IEC 529	IP65
Climate class per DIN EN 60721-3-3	3K6 (-25° to +55° C) ¹⁾
Conformity	EMC Directives
Enclosure material	V2A Stainless steel
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 "6-wire/analogue": -30° to +70° C, „GSM-R“: -20° to +50° C.



Front view

Side view



NIS 03 Example:

Rheinbahn Düsseldorf, Germany (Public transport)

Art. No. 64 1 0104 231 2

- Colour: signal red (RAL 3001)
- Incl. hands-free set „So-DSS1“
- Incl. emergency call strobe light (behind upper "SOS" recesses)

Emergency Call Pillar, Schweizer Bundesbahn SBB AG, Switzerland

Art. No. 8 093 0

Standard Equipment

- Illuminated Emergency Call button
- Loudspeaker, microphone
- Loudspeaker, microphone for wheel chair users
- Completely wired with connector and hands-free set enclosure
- Incl. hands-free set „So-DSS1“

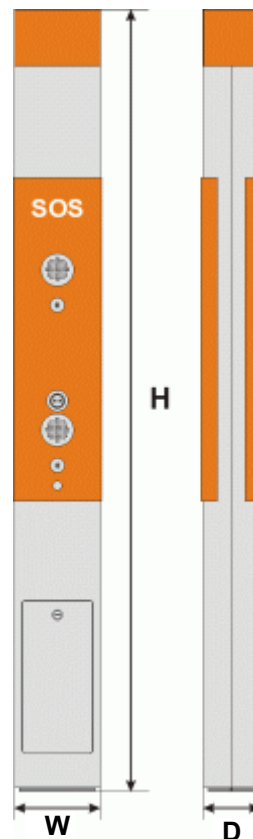
Optional Equipment

- Hands-free set “GSM with antenna
- Hands-free set “NIS-over-IP”
- Choice of colours

Technical Data

Dimensions (H x W x D)	2205 x 240 x 160 mm
Weight	approx. 60 kg
Protection class per DIN EN 60529 / IEC 529	IP54
Climate class per DIN EN 60721-3-3	3K6 (-20° to +80° C) ¹⁾
Conformity	EMC Directives
Enclosure material	V2A Stainless steel
Enclosure colour	orange (NCS 1080-Y60R)
Supply voltage	230 V AC
Switch contact rating	60 V= / 0,5 A
Current consumption with hands-free set	≤ 50 mA

¹⁾ Applicable for Emergency Call & Information Pillars with ISDN or GSM units only. For Emergency Call & Information Pillars with one of the following transfer mode systems, modified temperature ranges apply:
 “6-wire/analogue”: -30° to +70° C, „GSM-R”: -20° to +50° C.



Technical Details

IP Rating of Enclosures

As per DIN 40 050 / IEC / VDE 0470 / EN 60529

International standards classify the type of protection an enclosure provides by using a two-digit IP (International Protection) code that indicates the degree of protection the enclosure provides against the penetration of foreign objects, dust and water.

A typical IP number for weatherproof enclosures is, for example, **IP65** ¹⁾.

1st Digit of IP Code	Degree of protection against the penetration of solid foreign objects and hazardous access	2nd Digit of IP Code	Degree of protection against water
0	No protection	0	No protection
1	Protected against the penetration of large foreign objects with a diameter greater than 50 mm	1	Protected against the ingress of vertically falling water drops
2	Protected against the penetration of medium-sized foreign objects with a diameter greater than 12 mm	2	Protected against vertically falling water drops with the enclosure tilted at an angle of up to 15° from the vertical
3	Protected against the penetration of small foreign objects with a diameter greater than 2.5 mm	3	Protected against water sprayed at any angle up to 60° from the vertical
4	Protected against the penetration of tools, wire (particulate foreign objects) with a diameter greater than 1.0 mm	4	Protected against water splashing against the enclosure from any direction
5	Completely protected against access to hazardous voltage carrying parts and internal moving parts. Protected against harmful accumulation of dust. Penetration of dust is not entirely prevented, but it must not be to an extent that would impair proper functioning.	5	Protected against water jets sprayed through a nozzle against the enclosure from any direction
6	Completely protected against access to hazardous voltage carrying parts and internal moving parts. Protected against the penetration of dust.	6	Protected against powerful water jets or temporary flooding (heavy seas)
		7	Protected against temporary immersion in water under defined conditions of time and pressures corresponding to depths between 0.15 and 1 m
		8	Protected against continuous submersion in water
		9K	Protected against water sprayed from high-pressure water or steam cleaning jets directed at the enclosure from any direction

¹⁾ If an IP protection rating is not specified for one of the two categories, then the letter X is used instead of the respective digit, e.g. IPX4