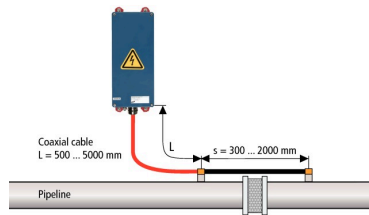


**NAK SN4631 (999 990)**

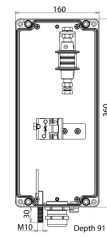
- Voltage drop on the connecting cable is up to three times lower than in case of a conventional connecting cable
- Version for lightning equipotential bonding according to IEC 62305 in hazardous areas
- For bridging insulating joints in cathodically protected pipe sections of pipelines



Figure without obligation



Application example NAK SN4631



Dimension drawing NAK SN4631

Coaxial connection of isolating spark gaps with a low sparkover voltage for lightning equipotential bonding according to IEC 62305.

**EXFS coaxial connection box**

| Type                                      | NAK SN4631                 |
|---|----------------------------|
| Part No.                                  | 999 990                    |
| Enclosure material                        | aluminium                  |
| Dimensions                                | 160 x 360 x 91 mm          |
| Degree of protection                      | IP 67 (UV-resistant)       |
| Cable entry / fixing                      | 1 x M40                    |
| Earthing screw (for maintenance purposes) | M10 x 30 (stainless steel) |

**EXFS 100 spark gap (integrated in EXFS coaxial connection box)**

| Type   | NAK SN4631   |
|--|--|
| Part No.   | 999 990  |
| Isolating spark gap acc. to EN 62561-3 / IEC 62561-3                   | yes  |
| Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )               | 100 kA   |
| Class (lightning current carrying capability) acc. to EN / IEC 62561-3 | H  |
| Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )                     | 100 kA   |
| Rated power-frequency withstand voltage (50 / 60 Hz) ( $U_{wAC}$ )     | 250 V  |
| Rated impulse sparkover voltage ( $U_{r,imp}$ )                        | $\leq 1.25$ kV                                       |
| Power-frequency sparkover voltage (50 / 60 Hz) ( $U_{sw}$ )            | $\leq 0.5$ kV  |
| Rated discharge current (50 / 60 Hz) ( $I_{max}$ )                     | 500 A / 0.2 sec.                                     |
| Operating temperature range ( $T_U$ )                                  | -20 °C ... +60 °C                                    |
| Degree of protection protection  | IP 67 (UV-resistant)                                 |
| Connection of enclosure  | M10 threaded bushing, 2x M10x25 mm, 2x spring washer |

**General**

| Type  | NAK SN4631                |
|---|---------------------------|
| Part No.  | 999 990                   |
| Recommended cable, part no. S06771 (not included in delivery) | N2XSY 01X35/16 6/10 kV RT |
| Weight  | 5,07 kg                   |
| Customs tariff number   | 85371098                  |
| GTIN  | 4013364153776             |
| PU  | 1 Stk                     |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.