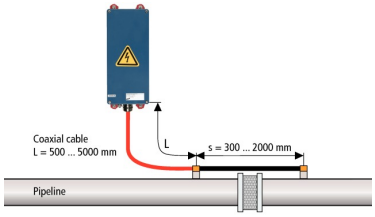
Product Data Sheet: EXFS Coaxial Connection Box

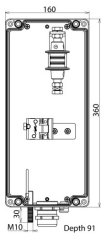
NAK SN4631 (999 990)

- Voltage drop on the connecting cable up to three times lower than in case of a conventional connecting line
- Device 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



Dimension drawing

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

EXFS coaxial connection box

Type Part No.	NAK SN4631 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 Part No.	NAK SN4631 999 990
Lightning impulse current (10/350 µs) (I_{imp})	100 kA
Class (lightning current carrying capability) acc. to EN / IEC 62561-3	H
Nominal discharge current (8/20 µs) (I_n)	100 kA
Rated power-frequency withstand voltage (50 / 60 Hz) (U_{wAC})	250 V
Rated impulse sparkover voltage ($U_{r\,imp}$)	≤ 1.25 kV
Power-frequency sparkover voltage (50 / 60 Hz) (U_{aw})	≤ 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
Connection of enclosure	M10 threaded bushing, 2x M10x25 mm, 2x spring washer

General

Type Part No.	NAK SN4631 999 990
Recommended cable (not included in delivery)	N2XSY 01X35/16 6/10 kV RT
Weight	5,07 kg
Customs tariff number	85371099
GTIN	4013364153776
PU	1 pc(s)