

DEHN & SÖHNE

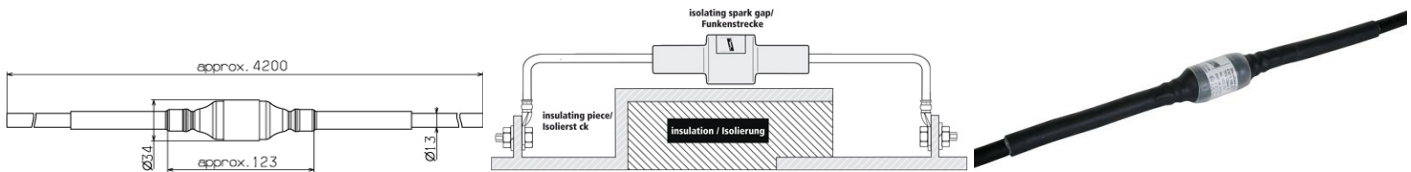
Surge Protection

Spark Gap Arrester 923101 EXFS 100 KU

High-Quality – IEC Ex Certified Isolating Spark-Gap providing electrical hazard protection above & below ground on metallic pipelines

The new EXFS 100 range of isolating spark gaps by DEHN + SÖHNE, specialist in lightning and surge protection, are suitable for safe use in hazardous zones 1 with gas atmosphere and zone 21 for combustible dust. Tested according to EN 50164-3 they can be applied to fulfil various functions. In the Petrochemical and Gas Industry the EXFS 100 units are effectively used to achieve safe electrical conduction of electrically isolated parts of installations where inadmissible high potential differences can occur, such as across galvanic insulated flanges or monolithic joints.

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| Lightning impulse current (10/350) _{I_{imp}} | 100kA |
| Classification of lightning current carrying capability acc. To EN 50164-3 | H |
| Nominal discharge current (8/20) _{I_n} | 100kA |
| Rated power frequency | 250v |
| 100% lightning impulse sparkover voltage U _{as 100} | <1.25kV |
| Power frequency sparkover voltage (50 Hz) U _{aw} | ≤0.5kV |
| Rated discharge current (50 Hz) [I _{max}] | 500 A / 0.5 sec. (T _u : ≤ 45°C) |
| (Ex) marking acc. to EN 60079 (gases) | II 2G Ex d IIC T6 |
| (Ex) marking according to EN 61241 (dusts) | II 2D Ex tD A21 IP67 T 80°C |
| Operating temperature range [TU] | -20°C to +60°C |
| Degree of Protection | IP67 |
| Approvals, Certifications | BVS 06 ATEX E 099, IEC Ex KEM 09.0051. |
| Enclosure Length (L) | 123mm |
| Diameter of enclosure (D) | 34mm |
| Enclosure material | Plastic coating; water proof coating |
| Connecting cable | Bare cable ends ready to fit crimp lug |
| Connection of enclosure | NYJ-J-1x25 mm ² , approx. 2 m long |



Dimension Drawing of EXFS 100 KU

Installation of EXFS 100 KU

EXFS 100 KU

Savcor Product code: 835-94018

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential uses are urged to trial and /or conduct conformity test of the product to deem its suitable in application for a particular end use prior to purchase.

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