

**\*\*\*New Product\*\*\***  
**DEHN & SÖHNE**  
**Spark Gap Arrester 923101 EXFS 100 KU**

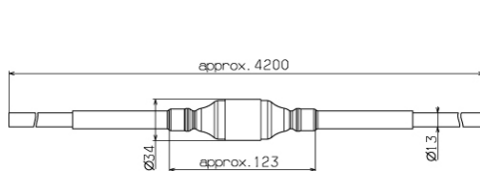
Savcor Product code: 835-94018

**High-Quality – IEC Ex Certified**

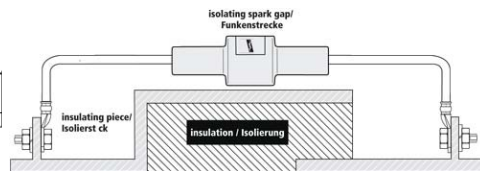
**Isolating Spark-Gap providing electrical hazard protection above & below ground on metallic pipelines**

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. Special feature of the DEHN EXFS 100 KU park gaps are;

Lightning impulse current (10/350) <sub>I<sub>imp</sub></sub>	100kA
Classification of lightning current carrying capability acc. To EN 50164-3	H
Nominal discharge current (8/20) <sub>I<sub>n</sub></sub>	100kA
Rated power frequency	250v
100% lightning impulse sparkover voltage U <sub>as 100</sub>	≤1.25kV
Power frequency sparkover voltage (50 Hz) U <sub>aw</sub>	≤0.5kV
Rated discharge current (50 Hz) [I <sub>max</sub> ]	500 A / 0.5 sec. (T <sub>U</sub> : ≤ 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 <sup>0</sup> c to +60 <sup>0</sup> 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	thread nut M10, 2x M10x25 mm, 2x spring washer
Connection of enclosure	NYJ-J-1x25 mm <sup>2</sup> , approx. 2 m long



Dimension Drawing of EXFS 100 KU



Installation of EXFS 100 KU



EXFS 100 KU

Vic/Tas/SA 03 9993 7500	NSW 02 9663 2322	NZ 09 414 5080	QLD/NT 07 3890 8533	WA 08 9248 8999
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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.