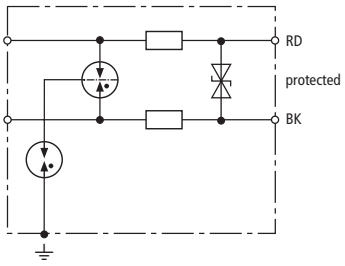
DEHNpipe

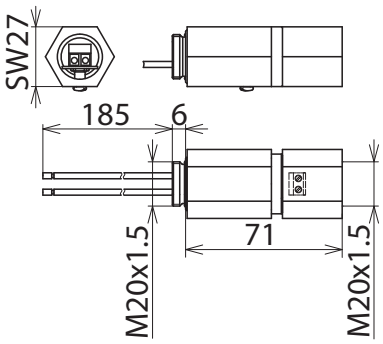
DPI MD EX 24 M 2 (929960)

- Easy to mount due to two-part design
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_B – 2 and higher





Basic circuit diagram



Dimension drawing

Energy-coordinated two-stage surge arrester with low-capacitance protective circuit for protecting intrinsically safe measuring circuits and bus systems, meets FISCO requirements. Insulation strength > 500 V to earth. Cable glands must be ordered separately.

Type	**DPI MD EX 24 M 2**
Part No.	**929960**
Technical data	
SPD class	TYPE 2 P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage DC (U_C)	34,8 V
Max. continuous operating a.c. voltage (U_C)	24,5 V
Max. input voltage acc. to EN 60079-11 (U_i)	30 V
Max. input current according to EN 60079-11 (I_i)	0.5 A
Nominal current (I_N)	0,5 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_P)	≤ 55 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 1100 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 49 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 1000 V
Cut-off frequency line-line (f_G)	7 MHz
Capacitance line-line (C)	≤ 850 pF
Capacitance line-PG (C)	≤ 15 pF
Series resistance per line	1,8 Ohm
Operating temperature range (T_U)	-40 °C ... +80 °C
Degree of protection	IP 67
For mounting on (field / device side)	M20 x 1,5 Innengewinde / M20 x 1,5 Außengewinde
Connection (input / output)	screw / connecting lines (1.5 mm²)
Length of the connecting lead	200 mm
Cross-sectional area, solid	0.08-2.5 mm²
Cross-sectional area, flexible	0.08-1.5 mm²
Earthing via	Gehäuse
Enclosure material	NIRO (V2A)
Colour	blank
Test standards	IEC 61643-21 / EN 61643-21
Approvals	ATEX, IECEx, CCC, CSA & USA Hazloc, SIL
ATEX approvals	DEKRA 11ATEX0076 X: II 2 (1) G Ex ia [ia Ga] IIC T4 ... T6 Gb
IECEx approvals	DEK 11.0025X: Ex ia [ia Ga] IIC T4 ... T6 Gb
CSA & USA Hazloc approvals (1)	CSA17CA.70144338: Ex ia [ia Ga] IIC T4 ... T6 Gb
CSA & USA Hazloc approvals (2)	CSA17CA.70144338: Class I Div 1; Class I Zone 1
China Compulsory Certification	CCC No. 2021312304001027
Korea Certification	KTL 25-KA4BO-0728X: Ex ia [ia Ga] IIC T6...T4 Gb
SIL classification	up to SIL3 *)

Masterdata	
Net weight	171.8 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364098145
PU	1 pc(s)

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

*) For details, see: www.dehn-international.com