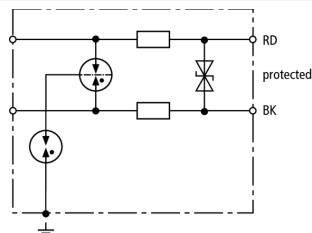


## DPI MD EX 24 M 2 (929 960)

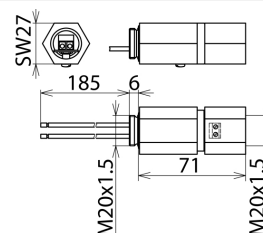
- Easy to mount due to two-part design
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from  $O_b - 2$  and higher



Figure without obligation



Basic circuit diagram DPI MD EX 24 M 2



Dimension drawing DPI MD EX 24 M 2

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.

### Technical data

Type	DPI MD EX 24 M 2
Part No.	929 960
SPD class	TYPE 2 PI
Nominal voltage ( $U_n$ )	24 V
Max. continuous operating voltage (d.c.) ( $U_c$ )	34.8 V
Max. continuous operating voltage (a.c.) ( $U_c$ )	24.5 V
Max. input voltage acc. to EN 60079-11 ( $U_i$ )	30 V
Max. input current acc. to EN 60079-11 ( $I_i$ )	0.5 A
Nominal current ( $I_n$ )	0.5 A
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	1 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	5 kA
Voltage protection level line-line for $I_n$ C2 ( $U_p$ )	$\leq 55$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 1100$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 49$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 1000$ V
Cut-off frequency line-line ( $f_c$ )	7 MHz
Capacitance line-line (C)	$\leq 850$ pF
Capacitance line-PG (C)	$\leq 15$ pF
Series resistance per line	1.8 ohms
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection	IP 67
For mounting on (field / device side)	M20 x 1.5 female thread / M20 x 1.5 male thread
Connection (input / output)	screw / connecting lines (1.5 mm <sup>2</sup> )
Length of the connecting lead	200 mm
Cross-sectional area, solid	0.08-2.5 mm <sup>2</sup>
Cross-sectional area, flexible	0.08-1.5 mm <sup>2</sup>
Earthing via	enclosure
Enclosure material	StSt (V2A)
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21
Approvals	EACEx, ATEX, IECEx, 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
SIL classification	up to SIL3 <sup>*)</sup>
Weight	172 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364098145
PU	1 pc(s)

<sup>\*)</sup> For details see: [www.dehn-international.com](http://www.dehn-international.com)

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.