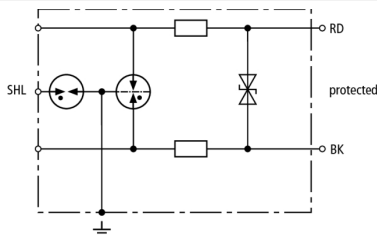


## DPI MD 24 M 2S (929 941)

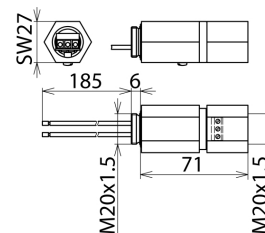
- Easy to mount due to two-part design
- Suitable for three shielding concepts
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B -2$  and higher



Figure without obligation



Basic circuit diagram DPI MD 24 M 2S



Dimension drawing DPI MD 24 M 2S

Energy-coordinated two-stage arrester, no leakage currents to earth, for 4-20 mA interfaces with thread M20 x 1.5 (female/male). Direct, indirect or no shield earthing. Cable gland available as accessory part.

### Technical data

Type	DPI MD 24 M 2S
Part No.	929 941
SPD class	<b>TYPE 2</b> [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
Nominal current ( $I_L$ )	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 ( $I_n$ )	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) shield-PG ( $I_n$ )	20 kA
Voltage protection level line-line for $I_n$ C2 ( $U_P$ )	$\leq 65$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_P$ )	$\leq 650$ V
Voltage protection level shield-PG for $I_n$ C2 ( $U_P$ )	$\leq 650$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_P$ )	$\leq 50$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_P$ )	$\leq 500$ V
Voltage protection level shield-PG at 1 kV/ $\mu$ s C3 ( $U_P$ )	$\leq 600$ V
Cut-off frequency line-line ( $f_c$ )	14 MHz
Capacitance line-line (C)	$\leq 400$ pF
Capacitance line-PG (C)	$\leq 20$ pF
Capacitance shield-PG (C)	$\leq 15$ pF
Series resistance per line	2.2 ohms
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection with cable gland	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 or earthing ring (accessories)
Enclosure material	StSt (V2A)
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21
Approvals	EAC, SIL
SIL classification	up to SIL3 *)
Weight	173 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364098152
PU	1 pc(s)

\*) 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.