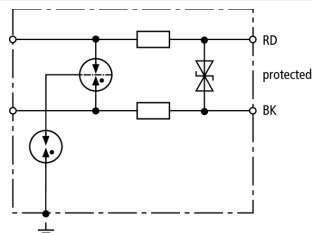


DPI MD EX 24 M 2 (929 960)

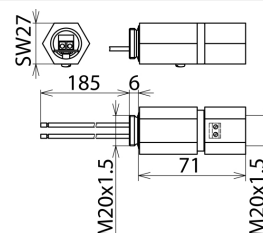
- Easy to mount due to two-part design
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from $O_b - 2$ and higher



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 μ s) per line (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	10 kA
C2 Nominal discharge current (8/20 μ s) 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/ μ s C3 (U_p)	≤ 49 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 1000 V
Cut-off frequency line-line (f_c)	7 MHz
Capacitance line-line (C)	≤ 850 pF
Capacitance line-PG (C)	≤ 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 ²)
Length of the connecting lead	200 mm
Cross-sectional area, solid	0.08-2.5 mm ²
Cross-sectional area, flexible	0.08-1.5 mm ²
Earthing via	enclosure
Enclosure material	StSt (V2A)
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21
Approvals	EACEx, 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
SIL classification	up to SIL3 *)
Weight	172 g
Customs tariff number	85363010
GTIN	4013364098145
PU	1 Stk

*) For details see: 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.