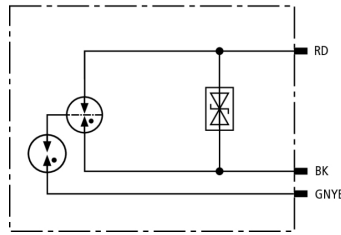


DPI CD EXI 24 N (929 963)

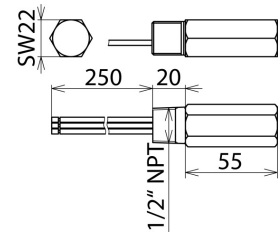
- Easy to mount on the spare cable gland of field devices
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from $O_b - 2$ and higher



Figure without obligation



Basic circuit diagram DPI CD EXI 24 N



Dimension drawing DPI CD EXI 24 N

Surge arrester with a low-capacitance protective circuit for protecting intrinsically safe measuring circuits and bus systems, meets FISCO requirements. Insulation strength > 500 V to earth.

Technical data

Type	DPI CD EXI 24 N
Part No.	929 963
SPD class	TYPE 2 PI
Nominal voltage (U_n)	24 V
Max. continuous operating voltage (d.c.) (U_c)	32 V
Max. continuous operating voltage (a.c.) (U_c)	22.6 V
Max. input voltage acc. to EN 60079-11 (U_i)	30 V
Max. input current acc. to EN 60079-11 (I_i)	0.55 A
Nominal current (I_n)	0.55 A
D1 Lightning impulse current (10/350 μ s) line-PG (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) line-line (I_n)	150 A
C2 Nominal discharge current (8/20 μ s) line-PG (I_n)	10 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 58 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 1700 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 50 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 1200 V
Cut-off frequency line-line (f_c)	67 MHz
Capacitance line-line (C)	≤ 25 pF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range (T_U)	-50 °C ... +80 °C
Degree of protection	IP 67
For mounting on (field / device side)	$1/2$ -14 NPT male thread
Connection	connecting lines (1.3 mm ²)
Length of the connecting lead	250 mm
Earthing via	connecting line
Enclosure material	StSt (V4A)
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21
Approvals	EACEx, ATEX, IECEx, CCC, CSA & USA Hazloc, SIL
ATEX approvals	KEMA 04ATEX1189 X: II 2 (1) G Ex ia [ia Ga] IIC T5 ... T6 Gb
IECEx approvals	KEM 09.0076X: Ex ia [ia Ga] IIC T5 ... T6 Gb
CSA & USA Hazloc approvals (1)	CSA 13.70000407: Ex ia [ia] IIC T5 ... T6
CSA & USA Hazloc approvals (2)	CSA 13.70000407: Class I Div 1, 2; Class I Zone 1
China Compulsory Certification	CCC No. 2021312304001030
SIL classification	up to SIL3 ^{*)}
Weight	172 g
Customs tariff number	85363010
GTIN	4013364101807
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.