

## DPI CD EXD 24 N (929 964)

- Easy to mount on the spare cable gland of field devices
- Ex(d) type for universal use
- For installation in conformity with the lightning protection zone concept at the boundaries from  $O_b - 2$  and higher

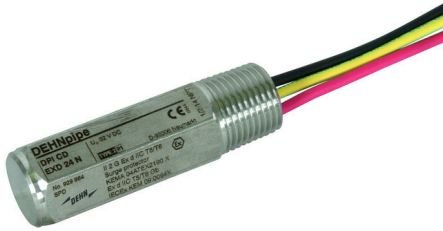
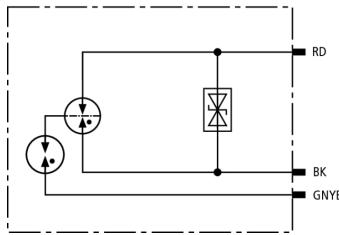
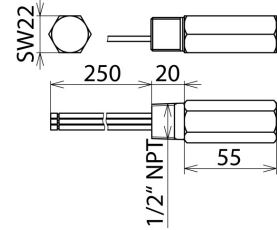


Figure without obligation



Basic circuit diagram DPI CD EXD 24 N



Dimension drawing DPI CD EXD 24 N

Flameproof surge arrester with a low-capacitance protective circuit for protecting measuring circuits and bus systems in potentially explosive atmospheres. Insulation strength > 500 V to earth. Certified to CSA and USA Hazloc standards.

### Technical data

Type	DPI CD EXD 24 N
Part No.	929 964
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
Nominal current ( $I_N$ )	0.55 A
D1 Lightning impulse current (10/350 $\mu$ s) line-PG ( $I_{imp}$ )	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
Voltage protection level line-line for $I_n$ C2 ( $U_P$ )	$\leq 58$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_P$ )	$\leq 1700$ 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 ( $U_P$ )	$\leq 1200$ V
Cut-off frequency line-line ( $f_C$ )	67 MHz
Capacitance line-line (C)	$\leq 25$ pF
Capacitance line-PG (C)	$\leq 15$ 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 <sup>2</sup> )
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	ATEX, IECEx, CCC, CSA & USA Hazloc, SIL
ATEX approvals	KEMA 04ATEX2190 X: II 2 G Ex db IIC T5 or T6 Gb
IECEx approvals	KEM 09.0064X: Ex db IIC T5 or T6 Gb
CSA & USA Hazloc approvals (1)	CSA 10.2317168: Ex d IIC T4 ... T6
CSA & USA Hazloc approvals (2)	CSA 10.2317168: Class I Div 1, 2; Class I Zone 1
China Compulsory Certification	CCC No. 2021312304001029
SIL classification	up to SIL3 <sup>*)</sup>
Weight	169 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364101814
PU	1 pc(s)

\*) For more detailed information, please visit [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.