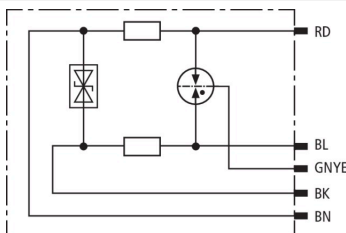


## DPI CD HF EXD 5 M (929 971)

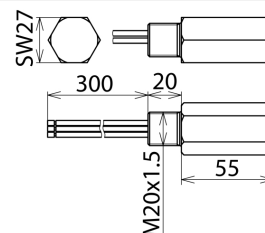
- Easy to mount on the spare cable gland of field devices
- Ex (d) version for a variety of applications
- For installation in conformity with the lightning protection zone concept at the boundaries from  $O_b - 2$  and higher



Figure without obligation



Basic circuit diagram DPI CD HF EXD 5 M



Dimension drawing DPI CD HF EXD 5 M

Flameproof surge arrester in an energy-coordinated low-capacitance protective circuit for use in potentially explosive atmospheres for protecting measuring circuits and bus systems.

### Technical data

Type	DPI CD HF EXD 5 M
Part No.	929 971
SPD class	TYPE 2 PI
Nominal voltage ( $U_n$ )	5 V
Max. continuous operating voltage (d.c.) ( $U_c$ )	6 V
Max. continuous operating voltage (a.c.) ( $U_c$ )	4.2 V
Nominal current at 80 °C ( $I_n$ )	0.1 A
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	10 kA
Voltage protection level line-line for $I_n$ C2 ( $U_p$ )	$\leq 55$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 1000$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 12$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 700$ V
Cut-off frequency line-line ( $f_c$ )	100 MHz
Capacitance line-line (C)	$\leq 40$ pF
Capacitance line-PG (C)	$\leq 30$ pF
Series resistance per line	4.7 ohms
Operating temperature range ( $T_U$ ) for ATEX / IECEx	-50 °C ... +80 °C
Degree of protection	IP 67
For mounting on (field / device side)	M20 x 1.5 male thread
Connection	connecting lines (1.3 mm <sup>2</sup> )
Length of the connecting lead	300 mm
Earthing via	connecting line
Enclosure material	StSt (V2A)
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
China Compulsory Certification	CCC No. 2021312304001029
Weight	272 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364120761
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.