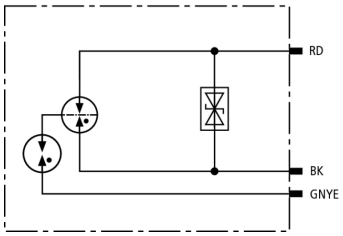
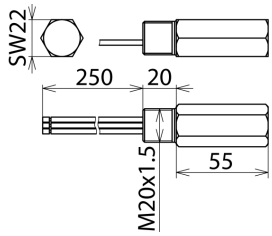
DPI CD EXI 24 M (929 961)

- 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 0_B – 2 and higher

Figure without obligation



Basic circuit diagram DPI CD EXI 24 M



Dimension drawing DPI CD EXI 24 M

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 Part No.	DPI CD EXI 24 M 929 961
SPD class	TYPE 2 P1
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_L)	0.55 A
D1 Lightning impulse current (10/350 µs) line-PG (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
C2 Nominal discharge current (8/20 µs) line-line (I_n)	150 A
C2 Nominal discharge current (8/20 µs) 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/µs C3 (U_P)	≤ 50 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 1200 V
Cut-off frequency line-line (f_G)	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)	M20 x 1.5 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	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	169 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364101784
PU	1 pc(s)

*) 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.