DPI CD EXI+D 2X24 N (929 951)

- Easy to mount on the spare cable gland of field devices
- Flexible use in Ex(i) and Ex(d) circuits
- Installation in conformity with the lightning protection zone concept at the boundaries from 0_B – 2 and higher

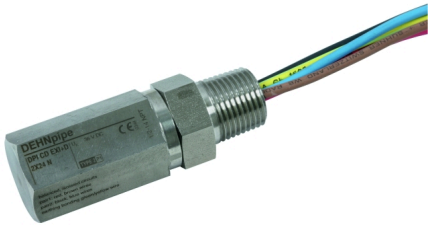
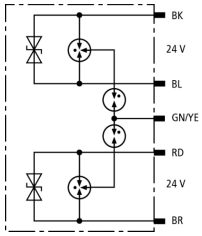
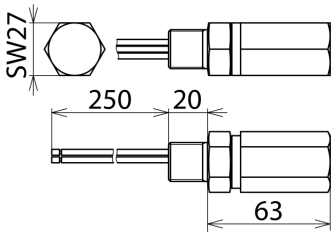


Figure without obligation



Basic circuit diagram DPI CD EXI+D 2X24 N



Dimension drawing DPI CD EXI+D 2X24 N

Flameproof surge arrester for use in potentially explosive atmospheres for protecting two 24 V interfaces

Technical data

Type Part No.	DPI CD EXI+D 2X24 N 929 951
SPD class	TYPE 2 P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage (d.c.) (U_C)	36 V
Max. continuous operating voltage (a.c.) (U_C)	25.4 V
Nominal current (I_L)	0.55 A
D1 Lightning impulse current (10/350 µs) line-PG (I_{imp})	1.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	20 kA
C2 Nominal discharge current (8/20 µs) line-PG (I_n)	10 kA
Voltage protection level line-line for I_n C2 (U_P)	≤ 65 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 2000 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
Capacitance line-line (C)	≤ 2000 pF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range (T_U)	-40 °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 (V2A)
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21
Approvals	ATEX, IECEx, CCC, CSA & USA Hazloc, SIL
ATEX approvals (1)	DEKRA 11ATEX0207 X: II 2 (1) G Ex ia [ia Ga] IIC T5 / T6 Gb
ATEX approvals (2)	DEKRA 11ATEX0217 X: II 2 G Ex db IIC T5 / T6 Gb
IECEx approvals (1)	DEK 11.0076X: Ex ia [ia Ga] IIC T5 / T6 Gb
IECEx approvals (2)	DEK 11.0079X: Ex db 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 (1)	CCC No. 2021312304001028 (Ex ia)
China Compulsory Certification (2)	CCC No. 2021312304001025 (Ex d)
SIL classification	up to SIL3 *)
Weight	222 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364137394
PU	1 pc(s)

*) For details see: www.dehn-international.com