

## 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

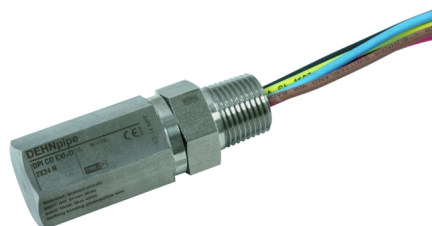
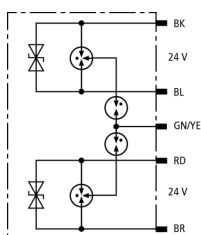
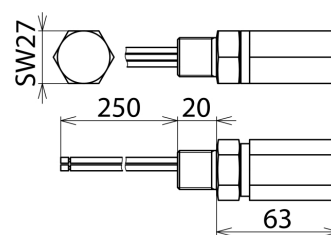


Figure without obligation



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                                                                | DPI CD EXI+D 2X24 N                                         |
|---------------------------------------------------------------------|-------------------------------------------------------------|
| Part No.                                                            | 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 $\mu$ s) line-PG ( $I_{imp}$ ) | 1.5 kA                                                      |
| C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )         | 20 kA                                                       |
| C2 Nominal discharge current (8/20 $\mu$ s) line-PG ( $I_n$ )       | 10 kA                                                       |
| Voltage protection level line-line for $I_n$ C2 ( $U_p$ )           | $\leq 65$ V                                                 |
| Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )             | $\leq 2000$ 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                                               |
| Capacitance line-line (C)                                           | $\leq 2000$ pF                                              |
| Capacitance line-PG (C)                                             | $\leq 15$ 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 <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                                                           | EACEx, ATEX, IECEx, 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 d 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 d IIC T5 / T6 Gb                           |
| CSA & USA Hazloc approvals (1)                                      | CSA 13.70000407: Ex ia [ia] IIC T5                          |
| CSA & USA Hazloc approvals (2)                                      | CSA 13.70000407: Class I Div 1, 2; Class I Zone 1           |
| SIL classification                                                  | up to SIL3 <sup>*)</sup>                                    |
| Weight                                                              | 222 g                                                       |
| Customs tariff number                                               | 85363010                                                    |
| GTIN                                                                | 4013364137394                                               |
| PU                                                                  | 1 pc(s)                                                     |

<sup>\*)</sup> For details see: [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.