

## DPI CD EXD 24 M (929 962)

- 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  $0_B - 2$  and higher

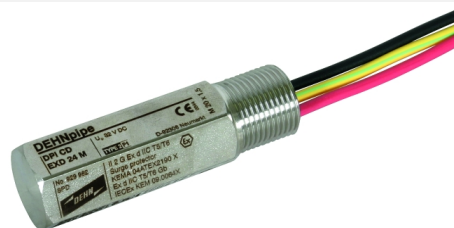
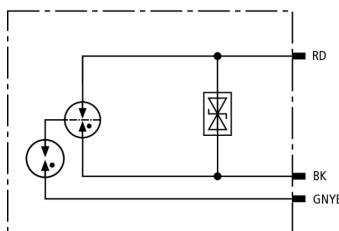
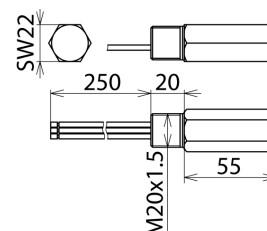


Figure without obligation



Basic circuit diagram DPI CD EXD 24 M



Dimension drawing DPI CD EXD 24 M

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 M                                  |
|---------------------------------------------------------------------|--------------------------------------------------|
| Part No.                                                            | 929 962                                          |
| 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)                               | M20 x 1.5 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                                                      | KEMA 04ATEX2190 X: II 2 G Ex d IIC T5 or T6 Gb   |
| IECEx approvals                                                     | KEM 09.0064X: Ex d 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 |
| SIL classification                                                  | up to SIL3 *)                                    |
| Weight                                                              | 169 g                                            |
| Customs tariff number                                               | 85363010                                         |
| GTIN                                                                | 4013364101791                                    |
| 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.