

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 $O_b - 2$ and higher

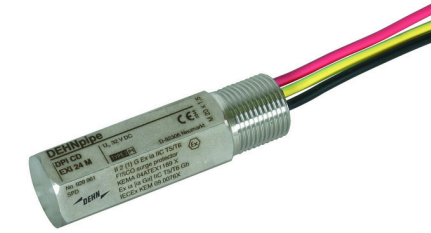
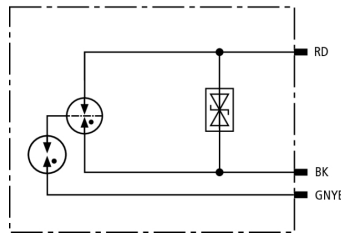
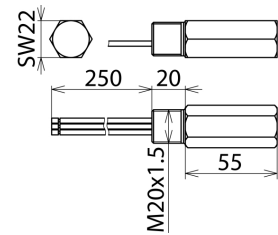


Figure without obligation



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 | DPI CD EXI 24 M |
|---|--|
| Part No. | 929 961 |
| 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 |
| 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_n) | 0.55 A |
| D1 Lightning impulse current (10/350 μ s) line-PG (I_{imp}) | 1 kA |
| C2 Total nominal discharge current (8/20 μ s) (I_n) | 10 kA |
| C2 Nominal discharge current (8/20 μ s) line-line (I_n) | 150 A |
| C2 Nominal discharge current (8/20 μ s) 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/ μ s C3 (U_p) | ≤ 50 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 (U_p) | ≤ 1200 V |
| Cut-off frequency line-line (f_c) | 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 | EACEx, 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 | 85363010 |
| GTIN | 4013364101784 |
| PU | 1 Stk |

^{*)} 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.