

ITAK EXI BXT 24 (989 408)

- Prewired unit for two Ex(i) circuits
- 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

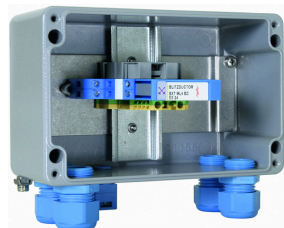
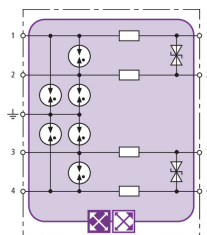
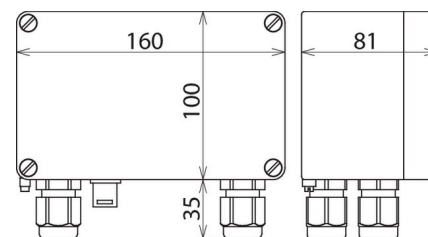


Figure without obligation



Basic circuit diagram ITAK EXI BXT 24



Dimension drawing ITAK EXI BXT 24

Prewired BXT ML4 BD EX 24 and BXT BAS EX surge arrester unit completely mounted in a junction box for intrinsically safe measuring circuits, meets FISCO requirements.

| Type | ITAK EXI BXT 24 |
|--|--|
| Part No. | 989 408 |
| SPD class | TYPE 2 PI |
| SPD monitoring system | LifeCheck |
| Nominal voltage (U_N) | 24 V |
| Max. continuous operating voltage (d.c.) (U_c) | 33 V |
| Max. input voltage acc. to EN 60079-11 (U_i) | 30 V |
| Max. input current acc. EN 60079-11 (I_i) | 0.5 A |
| Total nominal discharge current (8/20 μ s) (I_n) | 20 kA |
| Nominal discharge current (8/20 μ s) per line (I_n) | 5 kA |
| Voltage protection level line-line for I_n C2 (U_p) | ≤ 52 V |
| Voltage protection level line-PG for I_n C2 (U_p) | ≤ 1400 V |
| Voltage protection level line-line at 1 kV/ μ s C3 (U_p) | ≤ 45 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 (U_p) | ≤ 1100 V |
| Series resistance per line | 1.0 ohm |
| Cut-off frequency line-line (f_c) | 7.7 MHz |
| Capacitance line-line (C) | 0.8 nF |
| Operating temperature range (T_U) | -40 °C ... +80 °C |
| Degree of protection | IP 65 |
| For mounting on | walls in Ex zone 1, 2 |
| Connection (input / output) | cable gland (M20 x 1.5) |
| Cross-sectional area, solid | 0.08-4 mm ² |
| Cross-sectional area, flexible | 0.08-2.5 mm ² |
| Cross-sectional area (equipotential bonding) | 4 mm ² |
| Tightening torque (terminals) | 0.4 Nm |
| Earthing via | screw terminal on enclosure panel |
| Enclosure material | aluminium, grey |
| Test standards for installed BXT | IEC 61643-21 / EN 61643-21 |
| Approvals for installed BXT | CSA, EACEx, ATEX, IECEx, CSA & USA Hazloc, SIL |
| Weight | 1 kg |
| Customs tariff number | 85371098 |
| GTIN | 4013364120396 |
| PU | 1 Stk |

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.