

## MCR protection for explosive areas, 2-pole, 24 V



Petrol field protector FDB for intrinsically safe measuring circuits and bus systems

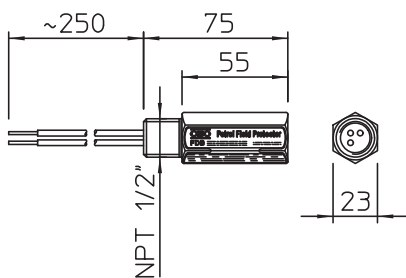


- Different connection technologies available (metric/NPT)
- Low protection level at high current load
- Easy mounting on field devices
- Negligible internal capacitance and inductance
- Stainless steel housing with pressure-resistant encapsulation
- Ex-tested: Ex II 2(1) G Ex ia IIC T6 (BVS 10 ATEX E 48)

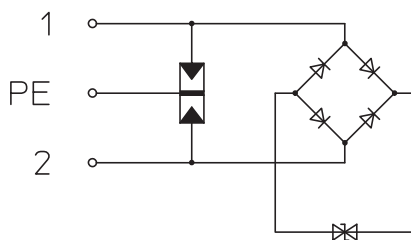
Application: Flow sensors, temperature sensors

| Type       | Highest continuous voltage AC V | Highest continuous voltage DC V | Version     | Pack. pcs | Weight kg/100 pcs. | Item No. |
|------------|---------------------------------|---------------------------------|-------------|-----------|--------------------|----------|
| FDB-2 24-N | 22                              | 32                              | 2-pole; NPT | 1         | 19,000             | 5098390  |

### Dimensions



### Connection options



### FDB-2 24-N

|                                   |                |   |
|-----------------------------------|----------------|---|
| Maximum continuous voltage AC V   | U <sub>c</sub> | 22  |
| Maximum continuous voltage DC V   | U <sub>c</sub> | 32  |
| Category                          |                | Type 2+3 / C2+C1  |
| Lightning protection zone LPZ     |                | 1→3   |
| Number of poles                   |                | 2   |
| Impulse durability wire-wire      |                | C1: 0,5 kV / 0,25 kA (8/20µs)                           |
| Impulse durability wire-earth     |                | C2: 5 kV / 2,5 kA (8/20µs)                              |
| Total discharge current (8/20) kA |                | 10  |
| Protection level wire-wire V      |                | <80   |
| Protection level wire-earth V     |                | <800  |
| Temperature range °C              | θ              | -20-70  |
| Installation type                 |                | Screw-on  |
| Protection rating                 |                | IP65/67   |
| Mounting of input / output        |                | 1/2" NPT  |
| Mounting of field / device side:  |                | Connection cable 1.5 mm <sup>2</sup><br>Length ~ 250 mm |
| Earthing via:                     |                | Connection cable  |
| Housing material                  |                | V2A   |
| EX approval                       |                | Ex II 2(1) G Ex ia IIC T6 (BVS 10 ATEX E 48)            |
| Testing standard                  |                | IEC 61643-21  |