

Technical data sheet

Protection for field devices, 3-pole, 24 V, metric

Item number: 5098382



Petrol Field Protector FDB for intrinsically safe measuring circuits and bus systems

- Metric connection technology
- Low protection level at high current load
- Easy mounting on field devices
- Negligible internal capacitance and inductance
- Stainless steel housing with pressure-resistant encapsulation
- ATEX approval: II 2(1) G Ex ia [ia Ga] IIC T4..T6 Gb (BVS 10 ATEX E 048)

Application: Flow sensors, temperature sensors



Master data

| | |
|------------------------------------|--------------------------|
| Item number | 5098382 |
| Type | FDB-3 24-M |
| Description 1 | Petrol Field Protector |
| Description 2 | with metric thread |
| Manufacturer | OBO |
| Dimension | 32V |
| Smallest sales unit | 1 |
| Unit of quantity | Piece |
| Weight | 19 kg |
| Weight unit | kg/100 pc. |
| CO2 Footprint (GWP) Cradle-to-Gate | 0,0039 kg CO2e / 1 Piece |

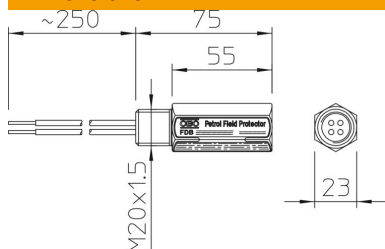
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Dimensions



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| | |
|--|--|
| Number of poles | 3 |
| Version for | 3-pole; metric |
| Earthing via: | Connection cable |
| EX approval | II 2(1)G Ex ia [ia Ga] IIC T4..T6 Gb (BVS 10 ATEX E 048) |
| Explosion-tested version | yes |
| Telecommunications contact | no |
| Housing material surge protection components | V2A |
| Total discharge current (8/20) | 10 kA |
| Maximum continuous voltage AC | 22 V |
| Maximum continuous voltage DC | 32 V |
| Capacity (wire-wire) | < 17 pF |
| Capacity (wire-earth) | < 26 pF |
| Kategorie | Type 2+3 / C2+C1 |
| Lightning protection zone LPZ | 1→3 |
| Mounting of input / output | M20 x 1.5 external thread |
| Mounting of field / device side: | Connection cable 1.5 mm ² Length ~ 250 mm |
| Mounting type | Screw-on |
| Testing standard | IEC 61643-21 |
| Protection rating | IP65/67 |
| Protection level wire-wire | <80 V |
| Protection level wire-earth | <800 V |
| Signalling on device | None |
| SPD to IEC 61643-21 | Class II+III / C2+C1 |
| 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) |
| Permitted temperature range, max. | 70 °C |
| Permitted temperature range, min. | -20 °C |