Technical data sheet

Protection for field devices, 2-pole, 24 V, NPT

Item number: 5098390

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

- NPT 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

LPZ 1→3 MSR

Master data

Item number	5098390
Type	FDB-2 24-N
Description 1	Petrol Field Protector
Description 2	with npt external 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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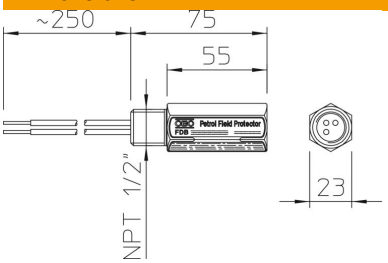
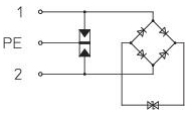
Dimensions



Technical data



Number of poles	2
Version for	2-pole; NPT
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	1/2" NPT
Mounting of field / device side:	Connection cable 1.5 mm²Length ~ 250 mm
Mounting type	Screw-on
Testing standard	IEC 61643-21
ROHS-conformant	yes
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