

MV CAPACITOR 50μF

Type: PUEFS 23-3,4/50
Rated voltage: 3,4 kV DC
Capacitance value: 50 μF

Construction:

The construction of the dielectric is all-film. The dielectric is polypropylene foil impregnated with non-toxic, non-PCB environmentally friendly and biodegradable synthetic oil. The aluminium foil construction of the electrodes ensures extremely low capacitor losses. Capacitor discharge is achieved by internal discharge resistors to decrease the residual capacitor voltage to 50V within 5 minutes. The case and mounting brackets are manufactured from Stainless Steel that is polyurethane coated to ensure prolonged durability. The capacitors are delivered as temperature category -10/D capacitors, which allow for operating in maximum ambient temperatures of +55°C. The capacitor complies with IEC 60871-1 and is Transnet approved in accordance with Transnet Technology Management Specifications BBB3139.

TECHNICAL DETAILS:

Rated voltage: 3 400 V DC
Max.permissible DC voltage: 4 000 V DC
Max.permissible AC voltage: 1 700 V AC
Rated current: 80 Amp
Max.permissible current: 94 Amp
Capacitance: 50 μF
Capacitance tolerance: -5/+5%
Capacitor losses: $\text{tg } \delta \text{ max. } 2 \times 10^{-4}$
BIL: 50/125 kV
Residual voltage: 50 V

Dielectric insulating medium: JARYLEC C101D
Temperature category: -10/D
Max.permissible temperature: +55°C

Capacitor dimensions: 1094mm x 430mm x 175mm
Capacitor mass: 65 kg
Container material: Stainless steel grade 1.4512
Bracket material: Stainless steel grade 1.4301
Coating: Polyurethane coated, colour RAL 7035

Test voltage U_{TT} : 20 kV DC / 1 min.
Test voltage U_{TC} : 20 kV DC / 1 min.

Life expectancy: 175 000 hrs when operating within rated parameters
Standard: IEC 60871-1:2014
Specification: Transnet Specification BBB 3139

Manufacturer:
ZEZ SILKO s.r.o.
 Pod černým lesem 683
 564 01 Zamberk
 Czech Republic

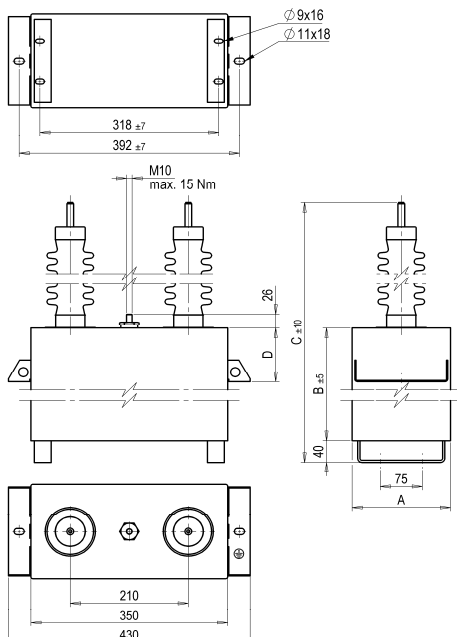
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DIMENSIONS:	
A [mm]	175
B [mm]	780
C [mm]	1094
D [mm]	100