

Surge Protection Capacitor
BIORIPHASO/TF AT/S 0.26/36/C
0,26 μ F – 36 kV – 50/60 Hz

RATINGS AND TECHNICAL CHARACTERISTICS

ABB type 1HC0001542 – R4

Rated Voltage	kV	36
Rated Frequency	Hz	50/60
Rated Capacitance (C1)	μ F	0,26
Capacitance Tolerance	%	-5...+10
Rated Current (50 Hz)	A	2,94
Short-duration power frequency withstand voltage	kV _{rms}	80
Lightning impulse withstand voltage	kV _{peak}	150
Ambient temperature	°C	-40...+80
Storage Temperature	°C	-50...+80
Installation		INDOOR/OUTDOOR
Altitude	m	<1000
Tangent of loss angle (tan δ)		< 0,0002
Discharge Resistor		NO
According to standards		IEC 60358
Lifetime		20 Years
Dielectric		Polypropylene Film
Electrodes		Aluminium Foil
Impregnant		BIOIL [®] II (SAS-60E or JARYLEC C 101 D)
Case Material		Stainless Steel AISI 316L Pickled
Finishing		Not Painted
Number of full insulated terminals		1
Material		Ceramic
Colour		Brown
Creepage Distance	mm	575
Clearance	mm	275
Approximate weight	kg	31

ROUTINE TEST

External inspection and dimensional control.

Capacitance measurement before voltage tests at low voltage.

Voltage Test between Terminals at 80 kV - 50 Hz – $20 \pm 15^{\circ}\text{C}$ for 60 seconds.

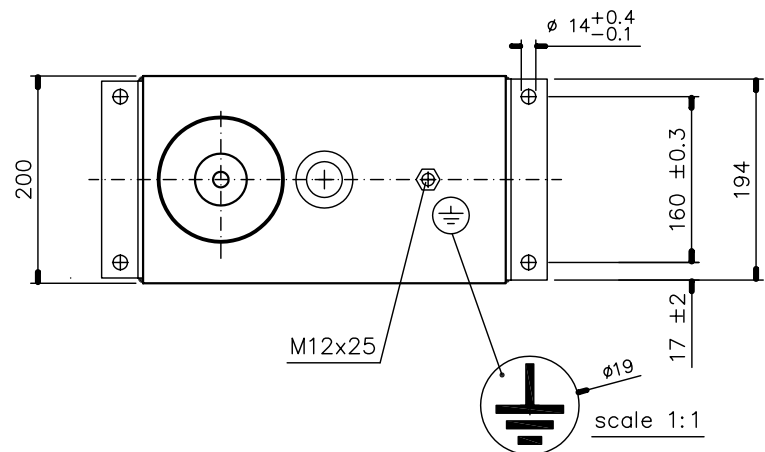
Partial Discharge Test.

Capacitance and Tangent of loss angle measurement after voltage tests at 24 kV - 50 Hz - $20 \pm 15^{\circ}\text{C}$

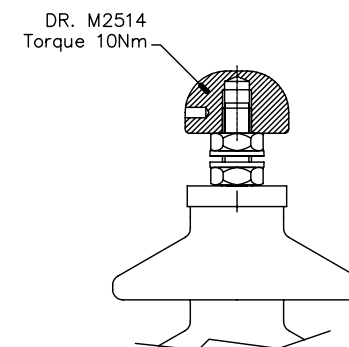
Sealing Test for 12 hours at 85°C .

DRAWING

4K8947 Rev.A BIORIPHASO/TF AT/S 0.26/36/C - Outline Dimensions



Adhesive foil : black symbol on
white background

[illegible]