

MICU 300A

Medium Voltage Inductive Coupling Units

PLC COMPONENTS / INDUCTIVE COUPLERS



FEATURES

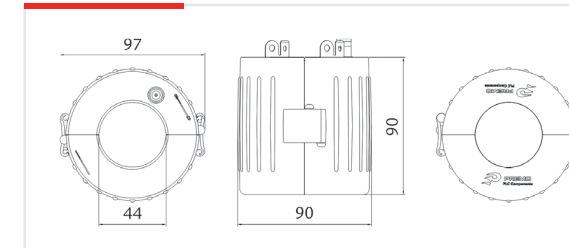
- › High current solution made with high permeability high performance nanocrystalline material avoids saturation problems at high currents.
- › Low insertion losses $-4\text{dB} \pm 2\text{dB}$ (@2MHz a 40MHz range).
- › More electrical safety: High insulation: 5 kV.
- › Compact equipment: BNC connector integrated in the coupler (other connections available under request).

01 CHARACTERISTICS

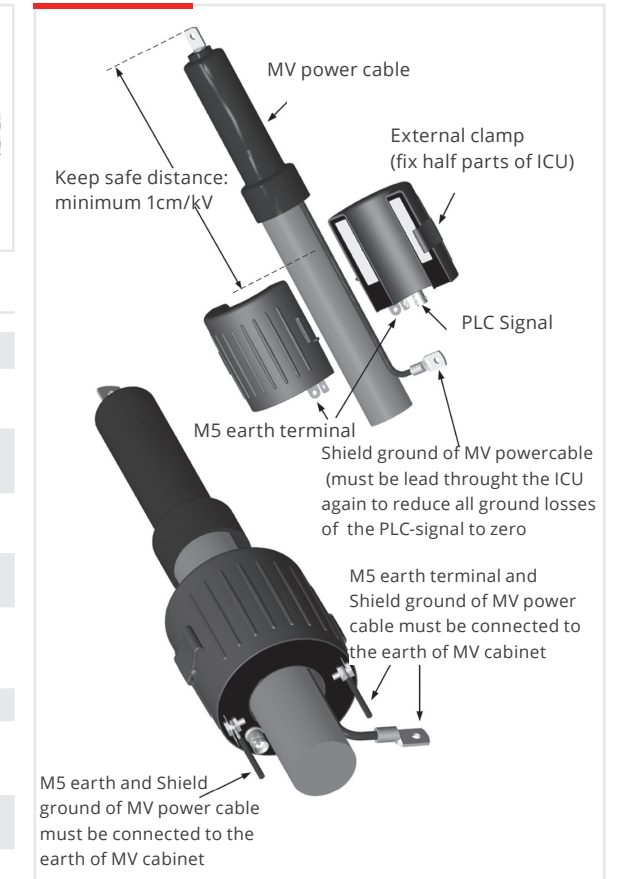
- › Inner diameter: 44mm
- › Height: 90mm
- › Height including ground connector: <115mm
- › Connection to PLC-modern: female BCN connector
- › Connection to Earth: M5 screw
- › Typical installation time: 10 minutes
- › Operating conditions: indoor services

02 SPECIFICATIONS

DIMENSIONS (mm)



INSTALLATION



ELECTRICAL SPECIFICATIONS

Nominal current	300 A
Rated Voltage	Only depends on the insulation evel of the cable
Rated AC withstand voltage	Only depends on the insulation evel of the cable
Rated lightning withstand voltage (1.2/50s)	Only depends on the insulation evel of the cable
Insulation resistance	Only depends on the insulation evel of the cable
Partial discharge level at 1.2 UN	No discharges possible, coupler is completely at ground potential
Nominal impedance	-12dB \pm 2dB @100 to 250 kHz
Coupling side	20 to 50
Equipment side	50
Average power in permanence	> +40 dBmW
Harmonic distortion and intermodulation	< -60 dB
Dielectric strength	5 kV
Working temperature	-20°C to 60°C
Storage temperature	-40°C to 85°C
Weight	<2.5 kg
Climatic category	25/100/21 according to IEC 60068-1
Safety isolation	According to IEC 60950