Nanocrystalline and Amorphous

Iron Core For Ground Fault Interrupter

Characteristics and use of the product:

The iron core is made of Fe-Ni-based amorphous alloy (SFC201), nanocrystalline soft magnetic alloy (SNC101,102), and may be used for the domestic and industrial devices, which require high sensitivity.

Iron core specifications and performances for high-sensitiveity ground fault interrupters.

Model	Size (mm)	Primary An, Secondary Turn Ratio N1:N2	Input Current at 50Hz (mA)	Output Voltage (mv)		
				Grade A	Grade B	Grade C
TIE-C-AN60	φ8/12×5.0	1:1	50	>1.0	>0.7	>0.5
TIE-C-AN61	φ10/14×6.5	1:1	50	>1.0	>0.7	>0.5
TIE-C-AN62	φ17/25×6.5	1:1	50	>1.0	>0.7	>0.5

Iron core specifications and performances for domestic ground fault interrupters

Model	Size (mm)	Primary An,Secondary Turn Ratio N1:N2	Input Current 50 (mA)	Output Voltage (mv)		
				Grade A	Grade B	Grade C
TIE-C-AN63	φ13/20×10	1:1	100	>2.5	>1.8	>1.4
TIE-C-AN64	φ14/19×6.5	1:1	50	>1.5	>1.0	>0.7
TIE-C-AN65	φ15/20×10	1:1	50	>1.8	>1.4	>1.0
TIE-C-AN66	φ15/22×10	1:1	50	>2.0	>1.4	>1.0
TIE-C-AN67	φ15/27×10	1:1	50	>1.5	>1.0	>0.5

Iron core specifications and performances for industrial ground fault interrupters

Model	Size(mm)	Primary An,Secondary Turn Ratio N1:N2	Input Current 50(mA)	Output Voltage(mv)		
				Grade A	Grade B	Grade C
TIE-C-AN68	φ18/28×10	1:1	100	>3.0	>2.5	>2.0
TIE-C-AN69	φ23/33×15	1:1	100	>8.0	>6.0	>5.0
TIE-C-AN70	φ40/50×10	1:1	100	>2.5	>2.0	>1.5
TIE-C-AN71	φ50/60×10	1:1	100	>2.0	>1.5	>0.7
TIE-C-AN72	φ55.5/65.5×10	1:1	100	>1.5	>1.0	>0.5