

DATA SHEET medium voltage

GBMEI12/0...24/0

Indoor Voltage transformer with high IP class



- Designed for gas insulated panels, IP 67 class
- Narrow design, only 153mm width up to 24kV
- VTs have touch-proof function

General description

GBMEI 12/0...24/0 is a voltage transformer with resin insulation for indoor use. The transformer is insulated at one pole. The primary connection complies with EN 50181. With IP 67 class, It can be functional under water for a short period. It is a good solution for switchgears installed in areas with frequent floods. To ensure contact-safe, the measured leakage current of the product surface is less than 0.5 mA, which complies to IEC 62271-200 High-voltage switchgear and controlgear: "Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV"

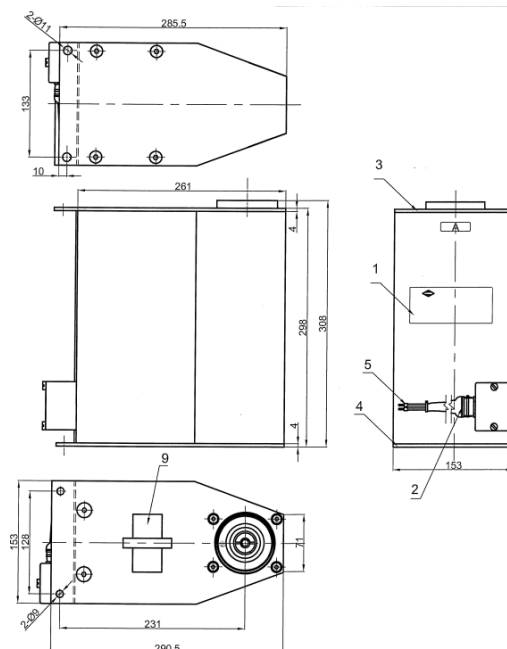


Figure 2:GBMEI12/0...24/0 see dimensional drawing for further information

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Technical data

General data according to DIN EN 61869

Standards	IEC61869-1-3
Highest voltage for operating equipment (U_m)	24
Rated insulation level	24/50/125kV
Rated frequency (f_r)	50/60
Rated power (S_r)	15VA depends on ratio and accuracy
Accuracy class	0.2 /0.5/1.0/3P/6P

Specifications

Rated primary current / voltage (I_{pr}/U_{pr})	10/ $\sqrt{3}$ kV 15/ $\sqrt{3}$ kV 20/ $\sqrt{3}$ kV
Secondary current / voltage (I_s/U_s)	100/ $\sqrt{3}$ or 110/ $\sqrt{3}$
Number of cores	2
Rated withstand AC voltage / test voltage (U_p)	50kV
Phase-to-phase distance	>153 mm
Place of use	In gas insulated switchgears
Ambient temperature	-5° up to 40°
Insulating class	E
Outside dimensions W / H / L	153 mm / 308 mm / 285.5 mm
Weight	28kg

Realisable accuracies depend on primary voltage and power.
Subject to technical modifications.