

# DATA SHEET medium voltage

## GBMW12/0...24/0

### Indoor Current transformer with high IP class



- Designed for gas insulated panel, IP 67 class
- Directly pluggable to a switch gear panel (can be customized for primary connection)
- Narrow design, only 135mm width up to 24kV
- CTs have touch-proof function

### General description

GBMW 12/0...24/0 is a current transformer with resin insulation for indoor use. The primary connection is pluggable. 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 flood . To ensure contact-safe, the measured leakage current of 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”

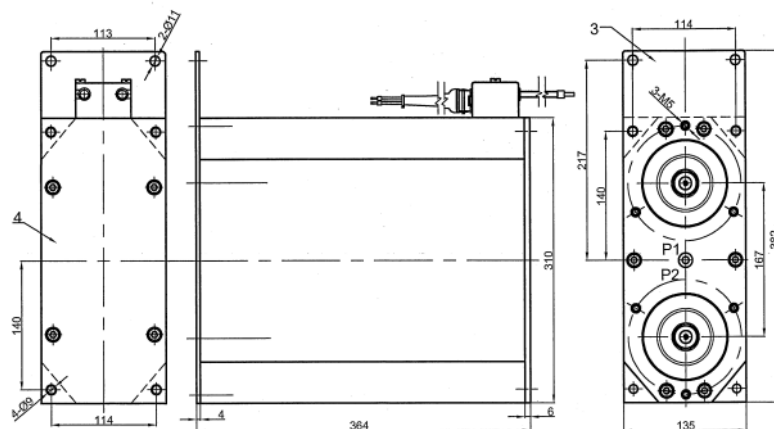


Figure 2:GBMW12/0...24/0 see dimensional drawing for further information

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## Technical data

General data according to DIN EN 61869

Standards	IEC61869-1-2
Highest voltage for operating equipment ( $U_m$ )	24
Rated insulation level	24/50/125kV
Rated frequency ( $f_r$ )	50/60
Rated power ( $S_r$ )	2.5VA -10VA depends on ratio and accuracy
Accuracy class	0.2 /0.5/1.0/5P/10P

### Specifications

Rated primary current / voltage ( $I_{pr}/U_{pr}$ )	0-600A
Secondary current / voltage ( $I_s/U_s$ )	1A or 5A
Number of cores	2
Rated withstand AC voltage / test voltage ( $U_p$ )	50kV
Rated continuous thermal current ( $I_{cth}$ )	1.2
Rated short-time thermal current ( $I_{th}$ 1s)	25
Rated peak withstand current ( $I_{dyn}$ )	3
Instrument security factor (ISF)	10
Phase-to-phase distance	>135mm
Place of use	In gas insulated switchgear
Ambient temperature	-5° up to 40°
Insulating class	E
Outside dimensions W / H / L	135mm/382mm/364mm
Weight	35kg

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