



VOLTAGE METERING AMPLIFIER

VMA-X2

MORE FLEXIBILITY FOR METERING
IN MEDIUM-VOLTAGE POWER GRIDS



ZELISKO

VOLTAGE METERING AMPLIFIER

The Zelisko VMA is a high-precision voltage amplifier with 3 channels. In combination with Zelisko low-power voltage sensors it converts the output voltages from $3.25/\sqrt{3}$ V to $100/\sqrt{3}$ V, $110/\sqrt{3}$, $115/\sqrt{3}$ V or $120/\sqrt{3}$ V.

Therefore, the use of Zelisko sensor technology is no longer limited to metering equipment with built-in low-voltage inputs.

Electrical characteristics

Inputs
Up to 3 inputs for Zelisko voltage sensors According to IEC 61689-11
Maximum input voltage of $120\% \cdot U_{pr}$ (3 phases) Maximum input voltage of $190\% \cdot U_{pr}$ (2 phases, earth fault)
Outputs
Up to 3 outputs for AC Voltage Pre-configured to $100/\sqrt{3}$ V Max. load 1 VA per channel
Auxiliary supply
Auxiliary supply voltage DC 24 V $\pm 10\%$ Power consumption 5 W (max. 15 W)
Notifications
1 LED signals system operation (Green: Ok) 1 LED signals system failure (Red: Error)
Accuracy
Up to IEC 61869-11 accuracy class 0,2/3P
Frequency
50 Hz / 60 Hz

Mechanical characteristics

Temperature range
Operation from -10°C to $+55^{\circ}\text{C}$ Storage from -25°C to $+70^{\circ}\text{C}$
Housing
Aluminium housing for mounting on DIN rails Dimensions (W / H / D) 190 x 110 x 50 mm



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