

VOLTAGE METERING AMPLIFIER

VMA-X2

MORE FLEXIBILITY FOR METERING
IN MEDIUM-VOLTAGE POWER GRIDS



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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% *Upr (3 phases)

Maximum input voltage of 190% *Upr (2 phases, earth fault)

Outputs

Up to 3 outputs for AC Voltage

Pre-configured to 100/√3 V

Max. load 1 VA per channel

Auxiliary supply

Auxiliary supply voltage DC 24 V ±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

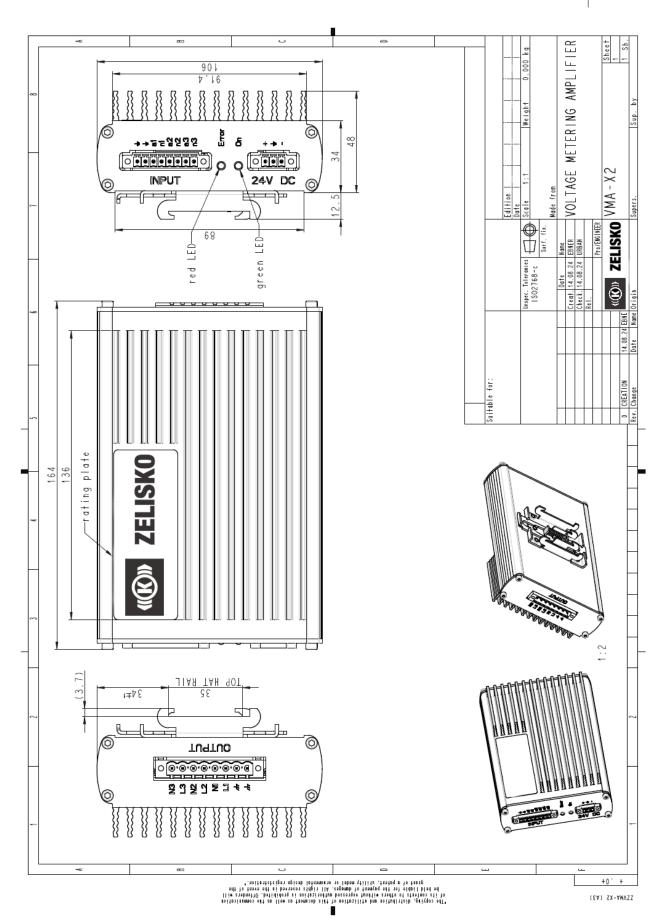
Operation from -10°C to +55°C

Storage from -25°C to +70°C

Housing

Aluminium housing for mounting on DIN rails

Dimensions (W / H / D) 190 x 110 x 50 mm



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