



Z 6019: Power supply filter

- for power supply systems 48 VDC

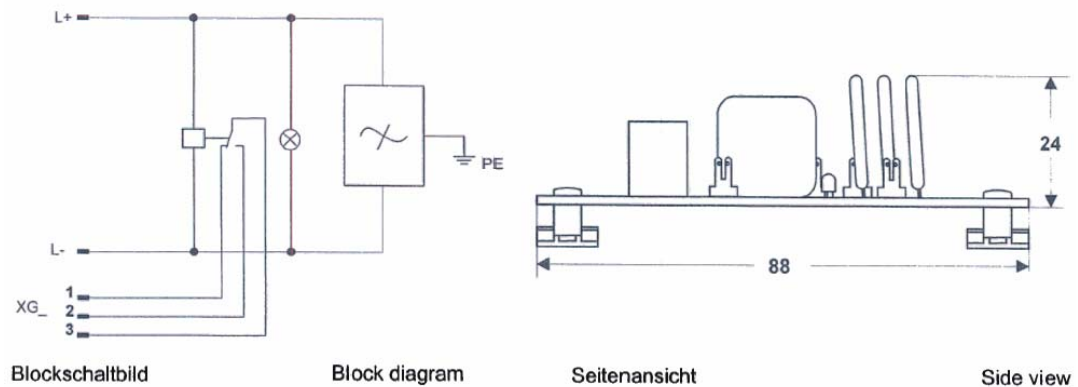


Figure 1: Block diagram and side view

Construction:

EMC interference suppressor filter:

The power supply filter Z 6019 dampens wide-banded, low energy switching interferences (burst) according to IEC EN 61000-4-4 up to 2 kV, and wide-banded, high energy switching overvoltages (surge) according to IEC EN 61000-4-5 up to 1 kV on a 48 VDC power supply circuit. The interferences are discharged to earth.

Signalling:

The power supply filter contains a potential-free changeover contact to announce a power failure. Correct function is announced via a green LED.

Installation:

The power supply filter should be installed as near as possible to the 48 V feeding. With feeding lines > 0.5 m within the cabinet, the feeding line has to be screened:

- up to 35 A: 2 x 6 mm², HIMA part no. 904 100001
- up to 63 A: 2 x 16 mm², HIMA part no. 904 100002

Mounting:

The power supply filter is mounted with a locking hook on amounting rail. Thereby the contact to the housing earth is realized.

Connection	flat pin plug 6.3 x 0.8 mm
Construction	printed circuit board, IP 00
Dimensions	40 x 20 x 88 mm (W x H x D)
Operating voltage	48 VDC / -15 ... +20%
Loadability of the relay contacts	1 A, 60 VDC
Power consumption	8 mA at 48 VDC
Ambient conditions	-25 ... +70 °C