Current Transformer

AD-SW 3 GL (3-channel)

Description

With the current converter AD-SW 3 GL up to three independent current magnitudes can be converted to a DC voltage of ±0-10 V. The amplitude value (sinus) or the true effective value (True RMS) can be presented.

Inputs, outputs and supply voltage are galvanically separated from each other with high insulation. The outputs refer to a common mass. An integral electronic wide range power pack with high efficiency prevents strong increase in heat.

Application

For conversion of up to 3 AC currents to an amplitude linear or effective value relevant voltage.

Technical data

construction type	switchboard housing
power-supply	ALLPOWER 20-253V AC/DC internal galvanical separated
power consumption	approx. 2 VA resp. 1 W
input	3x current AC (max. 10A) as bar-type transformer
input overload	(IEC 688) 20 x I_{nenn} to 1sec., 125% I_{nenn} continual
output	3x 0-10V, common mass input following or RMS limited to 11V
output load	min. 2 kOhm each channel
band width	approx. 2 kHz
linearity error	< 0,5%
effect of temperature	< 0,003%
insulation test voltage	input/output: 8 kV RMS signal/power-supply: 4 kV RMS
protection systems	input/output: against over-voltage confusing the poles, over-current power-supply: against over-current, over-voltage, over-temperature
CE-conformity	EN 50081-2; EN 50082-2
ambient-temperature	0..+50°C

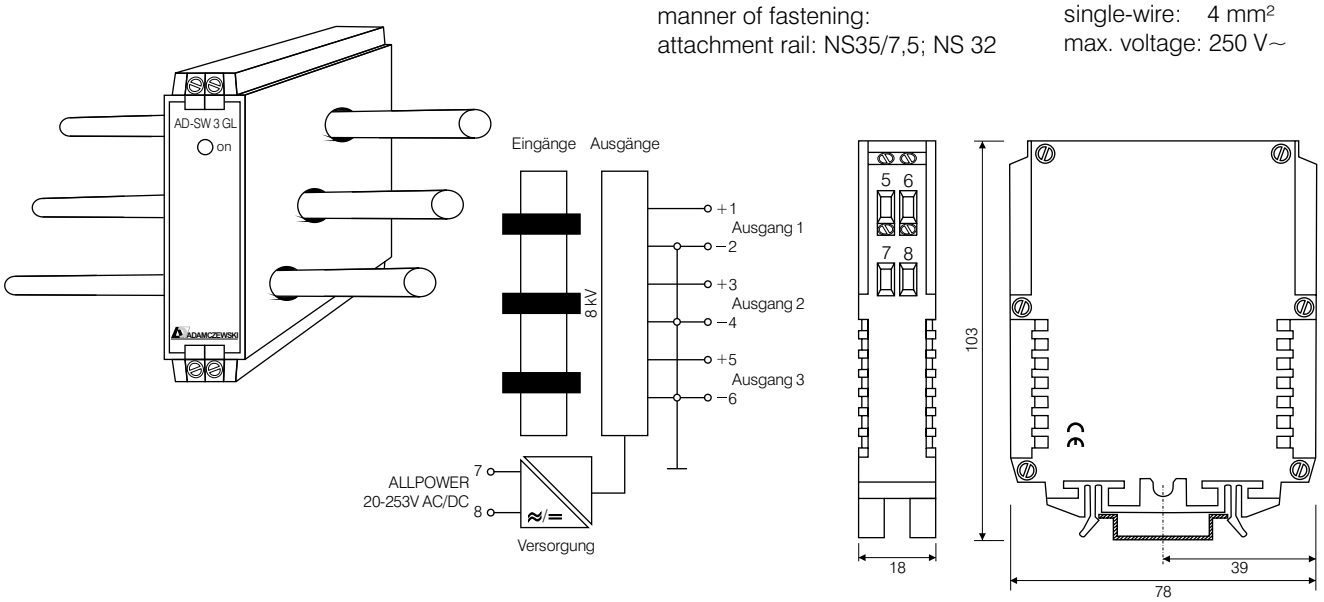
(*) values must be defined by order

Connections and dimensions: AD-SW 3 GL

Input 3x current AC (max. 10A) as bar-type transformer
Output 3x voltage (max. 10V)

weight 160 g
protection: IP 20
manner of fastening:
attachment rail: NS35/7,5; NS 32

connection data:
fine-wire: 2,5 mm²
single-wire: 4 mm²
max. voltage: 250 V~



Printed 08/2006. We reserve the right for technical changes

ADAMCZEWSKI
Elektronische Messtechnik GmbH
Felix-Wankel-Str. 13 74374 Zaberfeld
Tel. +49 (0)7046-875 Fax +49 (0)7046-7678
vertrieb@ad-messtechnik.de www.adamczewski.com