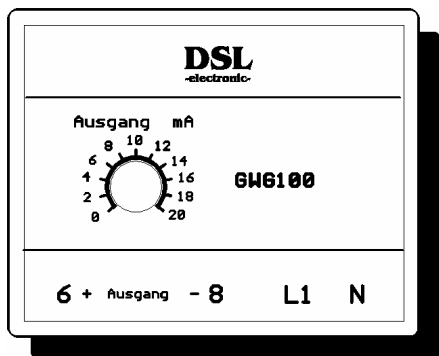
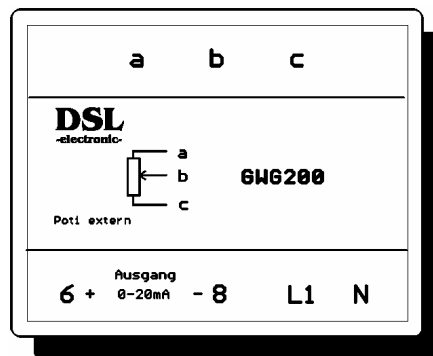


DC current source 0 / 4 - 20 mA

GWG100



GWG200



Application / Function

The adjustable DC current sources GWG100 and GWG200 units delivers 0/4 - 20mA signals to circuits with different applications. With a potentiometer operational parameters can be changed by adjusting the build-in potentiometer on front of the hut-rail unit or with an external potentiometer in front of a customer switching cabinet.

GWG100 / GWG200 delivers the output current to the terminals 6(+) and 8(-). The output current is delivered from a stable current source with no influences of auxiliary supply voltage or temperature.

The unit normally gets an auxiliary voltage of 231VAC but other voltages are available on request.

On the frontside the GWG100 will be delivered with a in build potentiometer, which is adjustable with a small scwdriver. The GWG200 needs an external potentiometer which will be connected to the terminals a, b and c. For EMC suppression a sheilded cable could be necessary with sheild connection to terminal c.

Technical Data

Type	DC current source GWG100 (variation on front), GWG200 (with external potentiometer)
Construction	Plastic housing on 35mm hat rail as per DIN EN 50022
Material of housing	Bayblend FR 1439/0240 modified ABS with burning protection UL 94 VO
Dimension, Weight	55x68x110mm (WxHxD), ca. 0,4 kg
Rated Voltage	231VAC +/- 15% Other values on request
Power Consumption	2,5 W
External Potentiometer	1Kohm (will not be delivered)
Output Signal	0/4-20mA (450 Ohm) or 0-10V (1K) on request
Repeat Accuracy	1%
Accuracy of potentiometer	10%
Temperature drift	1% (0-55°C)
On Period	100 %
Connection Terminals	For wire connection up to 2,5 mm ² , potentialfree input terminal
Type of Protection	Housing IP 40 , terminals IP 20 (bzw. VDE 0106T100/VBG4)
Operating Temp. Range	-10 °C bis +55°C, 95% Humidity
Potential Separation	EN 60 742 (safety transformers)
General Regulations	EN 50 178 (electrical units in power current installation)
Noise suppressions	EN 55 022/B
EMV	EN 61000 und EN V 50 140
Installation Position	Any position
Maintenance	Free of maintenance