

Description

With the setpoint encoder AD-SWG 211 GS setpoints in the form of analog signals can be set by adjustable Coding switch. The range is 0 ... 99 % of the final value and is set on the front in steps of 1%. The output is galvanically isolated from the supply voltage and up to the maximum resistance independent of the connected load. It can be selected between current or voltage output. Due to the highly efficient integrated wide range power supply high output loads are achieved with low power consumption.

Application

For presetting analog set values in measurement and control systems, for simulating analog measurement signals, etc.

**Specific characteristics**

- frontal coding switch for setpoint
- Current or voltage output
- Wide range power supply

Business data

Order number AD-SWG 211 GS

Technical specifications**Coding switch**

Setting range 0 ... 99 % (1%- steps)

Output current

Output range 0 ... 20 mA, 4 ... 20 mA¹⁾
 Max. burden 500 Ohm
 Residual ripple 20 µAss

Output voltage

Output range 0 ... 10 V, 2 ... 10 V¹⁾
 Min. burden 500 Ohm
 Residual ripple 50 mVss

Supply

Voltage range AC 50 ... 253 V AC, 50/60 Hz
 Nominal voltage AC 230 V AC
 Voltage range DC 20 ... 253 V DC
 Nominal voltage DC 24 V DC
 Power consumption AC / DC 2 VA / 1 W

Transmission behaviour

Accuracy < 0,2 %
 Temperature influence 50 ppm/K
 Response time ~ 200 ms

Housing

Dimensions (WxHxD) 23x78x103 mm
 Type of protection IP 20
 Connection method screw clamp
 Terminals, wire cross section 2,5 mm² flex wire / 4 mm² one wire
 Bolting torque terminals 0,5 Nm
 Weight ~ 100 g
 Manner of fastening 35 mm DIN rail 35mm

Environmental conditions

Ambient temperature 0 ... 50 °C
 Storage and transport -10 ... 70 °C (no condensation)

EMC

Product family standard EN 61326²⁾
 Emitted interference EN 55011, CISPR11 Cl. B

Electrical safety requirements

Product family standard EN 61010-1
 Overvoltage category II
 Pollution degree 2

Galvanic isolation, test voltages

Signal / supply unit 4 kV (1 min.)

Protection circuits

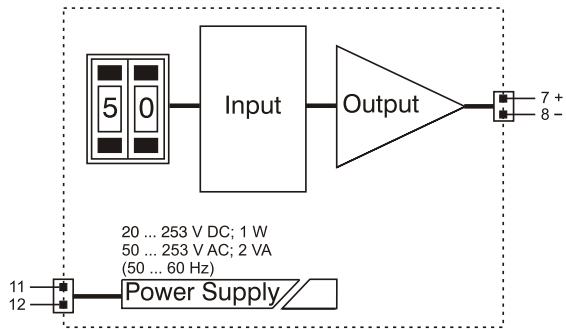
Input electrical surge protection
 Output electrical surge protection
 Power supply electrical surge and reverse current protection

¹⁾ Signal range according to customer data.

²⁾ During electromagnetic disturbance minor changes in output signal are possible.

Setpoint Encoder

Block and wiring diagram



Dimensions

