



Product information

INDUcoder ROBUST ENCODER SYSTEMS AWG101 - PROFIBUS / CANBUS

Stainless steel housing

Protection class IP 67

Absolute encoder with Profibus DP Class 2,
CANopen or Device Net

Application: food industry, chemical industry
and pharmaceutical industry

ROBUST ENCODER SYSTEMS AWG are used since many years in hundreds in many different designs in all industrial applications under extreme environmental conditions.

The presented **AWG101-PROFIBUS/CANBUS** is an extreme robust stainless steel encoder, **specially manufactured for use in food industry, chemical industry and pharmaceutical industry.**

Because aggressive detergents and disinfectants are often used in this industrial sector, all accessible parts of housing of **AWG101-PROFIBUS/CANBUS** like Profibus connection cap, screws and retaining rings are made of stainless steel. Gaskets are made of Viton. Also all shielded cable fittings are made of stainless steel.

As an **ABSOLUTE ENCODER with Profibus-DP Class 2, CANopen or Device Net** the resolution is up to 25 bit. It is electrically connected from the rear via the connection cover with cable glands made of stainless steel. The terminal connectors for interface and power supply voltage are **slanted by an angle of 45°** and are provided each for the incoming and outgoing lines. If required, the termination for the interface may be activated by a switch. The address or the node number, respectively, is set by two **decimal coded rotating switches. Therefore time-consuming conversion of the binary code is unnecessary**, as it is inevitable using DIP-switches. The active devices, normally used on such connecting boards, are placed inside the encoder housing which guarantee **excellent EMC characteristics.**

To avoid condensed water or for using the device in **ambient temperature down to -40°C** the ROBUST ENCODER SYSTEM AWG101 may be equipped with an electronic thermostatic controlled heating. For using the device **in ambient temperature up to +125°C** a cooling device with compressed air may be installed.

The **ROBUST ENCODER SYSTEM AWG101** is also manufactured as **redundant encoder systems** in combination with one or two incremental encoders or absolute encoders.

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