




AVENTICS ED05 EP-Pressure Controller Instructions

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EP-Pressure Controller 561 014 903 0
R499050003 / 2018-09

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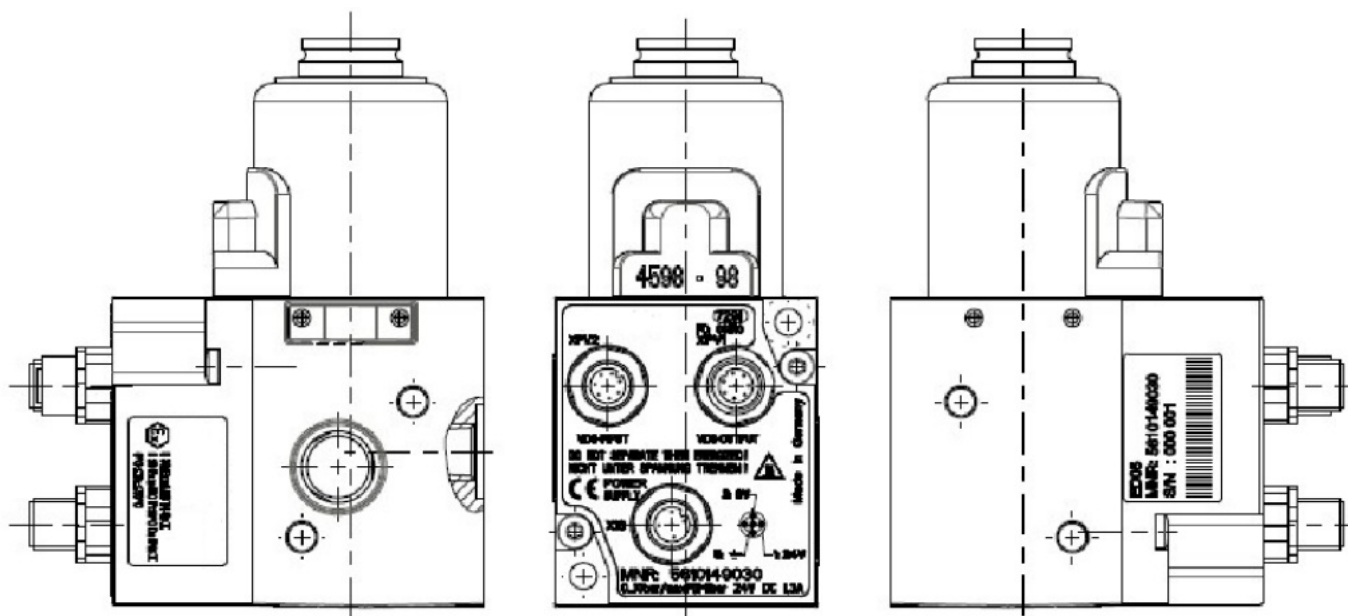
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Instructions

EP-Pressure Controller ED05 VDS

This short instruction describes the electrical connections of the VDS pressure control valve ED05. For further information please refer to the user manual of the used bus coupler and device description. These manuals are available at AVENTICS and must be read thoroughly before installing and initial start-up of the module.

This device fulfills the categories 3G and 3D according to ATEX directive 2014/34/EU. If the device is used in potentially explosive atmospheres attention has to be paid to the corresponding themes in the device description.



Electrical Connection

X1S: Power supply

XPV1: VDS-Output

XPV2: VDS-Input

Pin 1	n.c.
Pin 2	24V valve (fuse M 1,6A external)
Pin 3	0V valve
Pin 4	FE

X1S: Power supply

The 0V of the pressure control valve has to be connected directly with the 0V of the Bus coupler.

The pressure control valve is defined as equipment with low energy. It has to be supplied with electrical power from a power pack with over-voltage protection according to standard DIN EN 60079-15; 2011-02.

Control Data

The Control data are described in the device description.

Declaration of conformity valid until 2016, Apr. 19th)

In accordance with ATFX Directive 94/9/EC, The EMC directive 2004/108/EC also was applied
EU declaration of conformity valid from 2016, Apr. 20th) in accordance with ATEX Directive 2014/34/EU and in accordance with the EMC directive 2014/30/EU

1. Apparatus model/Product: EP-PRESSURE REGULATOR, ED05-VDS
2. Name and address of the manufacturer
AVENTICS GmbH Ulmer Str 4 30880 Laatzen. GERMANY
3. This declaration is issued under the sole responsibility of the manufacturer.
4. An object of the declaration material number(s):
5610149030
5. The object of the declaration described above is in conformity with the relevant Union harmonization legislation: as referred to in the headlines of this document

6. References to the relevant harmonized and other standards used:

- EN 60079-0 (2012-08-00) + AII (2013-11-00)

Explosive atmospheres — Part 0: Equipment — General requirements

- EN 60079-15 (2010-05-00)

Electrical apparatus for explosive gas atmospheres — Part 15. Construction, test and marking of type of protection, n° electrical apparatus

- EN 60079-31 (2014-07-00)

explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure, t°

- EN 61000-6-2 (2005-08-00) + AC (2005-09-00)

Electromagnetic compatibility (EMC) – Part 6-2 Generic standards – Immunity for industrial environments

- EN 61000-6-4 (2007-01-00) + AI (2011-02-00)

Electromagnetic compatibility (EMC) – Part 6-4. Generic standards – Emission standards for industrial environments

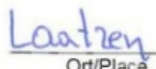
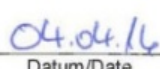
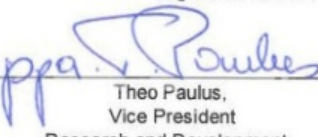

- EN ISO 4414:2010 (2010-11-00)

Pneumatic fluid power — General rules and safety requirements for systems and their components

7. A notified body was not involved. 8) Additional information The instructions in the Operation Manual we to be kept.

Signed for and on behalf of AVANTI S GmbH

Signed for and on behalf of: AVENTICS GmbH

 Ort/Place	 Datum/Date	 Theo Paulus, Vice President Research and Development	 Wolf Gerecke, Director Strategic Product Management
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We reserve the right to make changes to the declaration. Presently applicable editions can be obtained upon request.

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Documents / Resources

