

# AVENTICS 580 CHARM Node



**AVENTICS™**

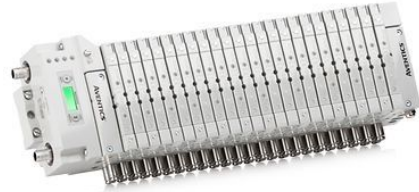
**AVENTICS Series 580 Pneumatic  
Communications Node**



## **AVENTICS 580 CHARM Node**

The AVENTICS Series 580 fieldbus communications node supports up to 128 AVENTICS 500 Series solenoid valves per valve system in a compact package. It features an integrated graphic display for simple commissioning and display of diagnostic information. The 580 communication node mates to a variety of valve platforms including AVENTICS 501, 502 and 503 series. AVENTICS 580 Series communications nodes are ideal for use in automotive, tire, packaging, pharmaceutical processing, food and beverage, fine chemicals, and water/wastewater applications.

- Dramatically reduces programming and commissioning time
- Achieves up to 15% savings on wiring and components
- Uses native capability of DeltaV for diagnostics of pneumatic valves
- Eliminates need for additional dedicated networks like Profibus-DP for pilot valves and simplifies system I/O mapping



## Product overview

### **Bus coupler**

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Central fieldbus connection without I/O function Power supply plug M12x1, 5-pin - DeltaV - Plug	

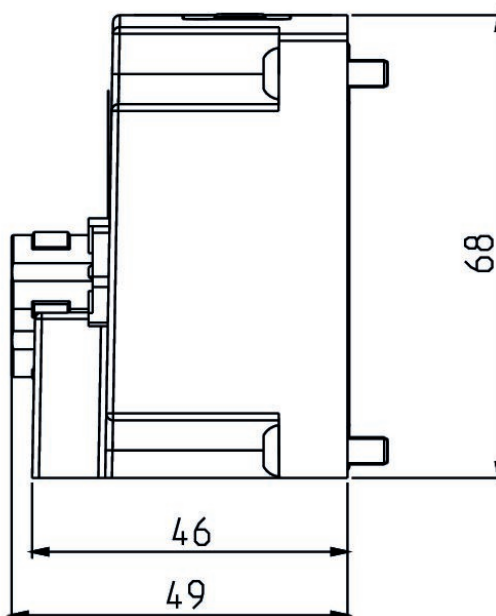
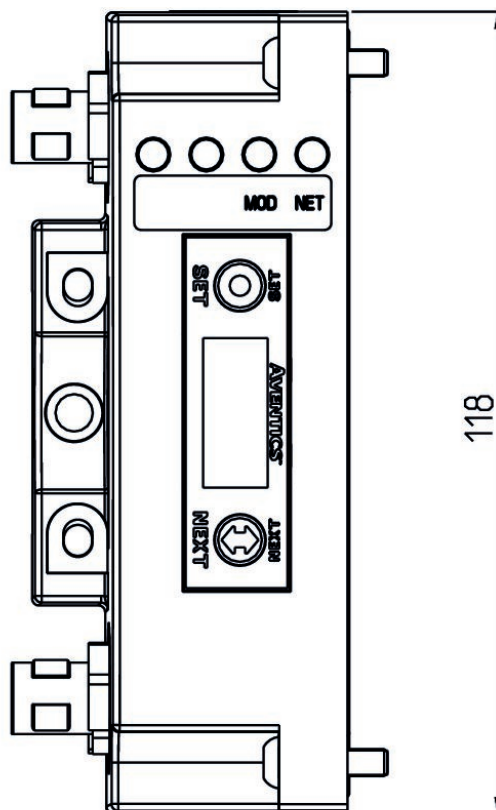
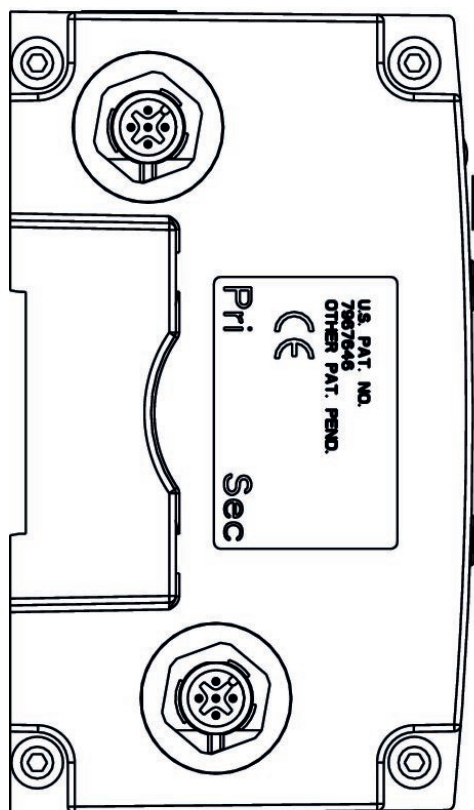
### Bus coupler, Series 580

Electrical connection 2, thread size: M12x1  
Electrical connection 2, number of poles: 5-pin  
Min. ambient temperature: -10 °C  
Max. ambient temperature: 50 °C



Fieldbus protocol	Number of poles	Operational voltage electronics	Operational voltage electronics	Part No.
DeltaV	5-pin	24 V DC	-10 % / +10 %	P580AECH2010A00





Dimensions



Efficient pneumatic solutions, our program:  
cylinders and drives, valves and valve systems,  
air supply management, proportional pressure  
control valves



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