

Multiplexing – same functionality with fewer proportional valves

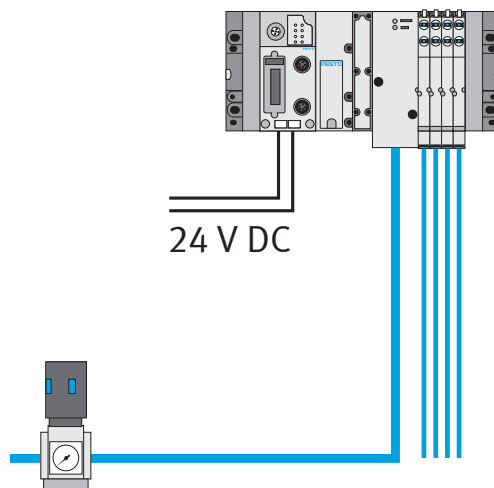
Multiplexing saves up to 8 proportional valves per valve terminal. The process is simple: with multiplexing, multiple pressures are sequentially transferred to various actuators through downstream directional valves. This makes it possible to control up to 8 directional control valves on the valve terminal MPA with one proportional valve, depending on the application

and connection frequency. Multiplexing is significantly cheaper and more efficient than a conventional design.

There are two types of multiplexing: time-controlled and pressure-controlled.

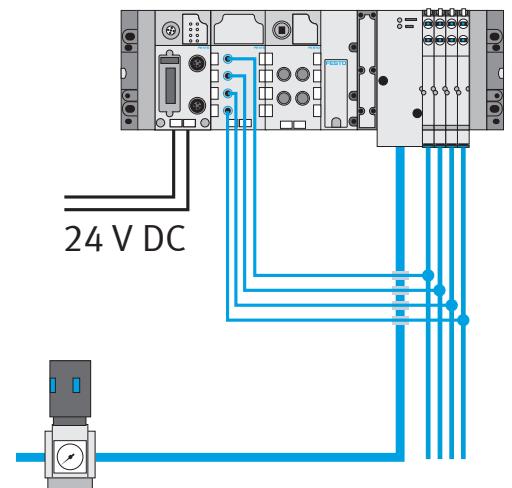
Added performance with functional integration

- Significantly reduced system costs
- Less installation effort
- Tested and preassembled module



Time-controlled

The output pressure of the VPPM is assigned to a suitable consumer via a 3/2 or 5/3-way valve. Instead of being monitored, the pressure is adjusted according to a specific time schedule.



Pressure-controlled

The output pressure of the VPPM is assigned to a suitable consumer via a 3/2 or 5/3-way valve. The pressure is monitored by a sensor module and adjusted depending on how much it drops.