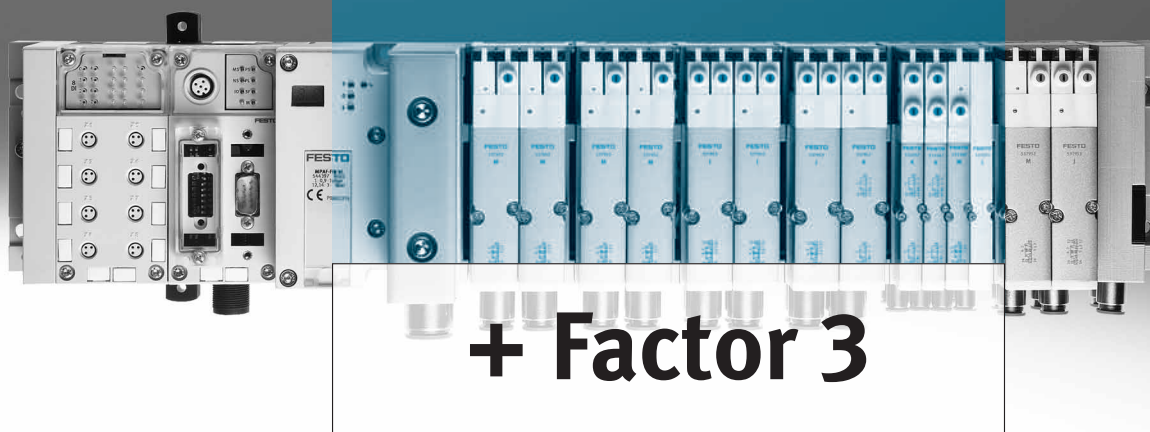


# MPA-F valve terminals

## Flow-rate optimised manifold blocks

**FESTO**



### Valve modularity, innovation and high flow rate, all together: MPA-F!

The star of all valve terminals has been upgraded to include a complete row of high flow rate manifold blocks.

#### Factor 3 – a plus

Even more valves switched in parallel in one single supply/exhaust position – made possible by optimised flow cross sections. This not only saves space, but also significantly increases switching reliability.

#### Combinable

MPA1 flow rate of up to 360 l/min.  
MPA2 flow rate of up to 900 l/min.  
MPA1 and MPA2 combinable.

#### Unbeatable reliability of service

Replaceable valves and electronic modules.

#### Ingenious: MPA2 combinable for both flow rates!

#### Highly cost-effective

Serial valve actuation, high number of valves – and only one valve series in stock for the widest variety of flow rates.

#### Diverse

Valve functions: 5/2, 5/3, 2 x 3/2, 2 x 2/2 as well as 1 x 3/2 via an external power supply. Easy conversion and extension, even on site.

#### Highly practical

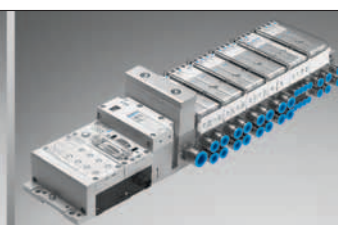
New mounting options for large inscriptions on the valves.



MPA-S: small and flat



MPA-F: flow-rate optimised



Modularity in one family: MPA!

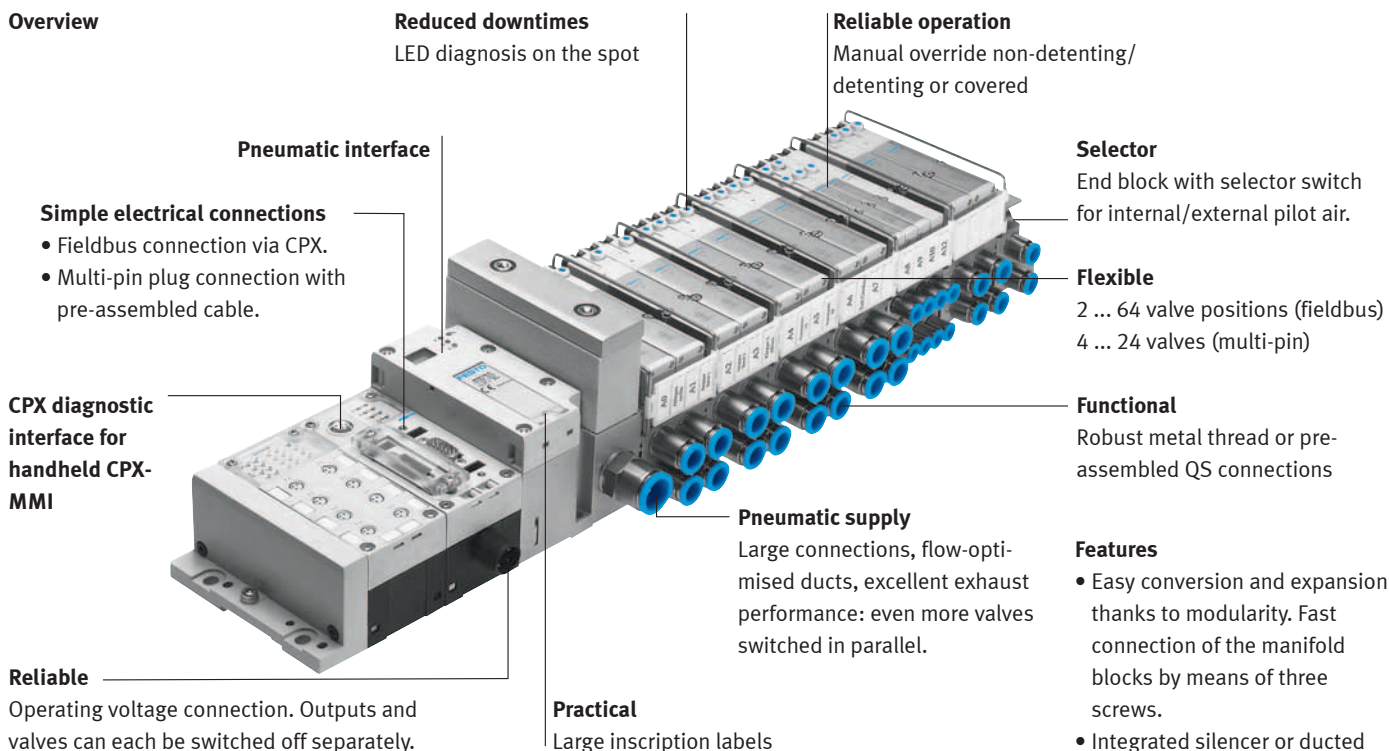
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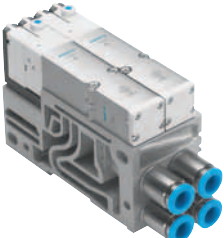

Product Short Information

# MPA-F valve terminals

## Flow-rate optimised manifold blocks

### Overview



MPA-F – flow optimised	MPA-S – size optimised	Common advantages
Optimised flow rate up to 900 l/min	Slim valves up to 700 l/min	multi-pin or fieldbus connection
Many valves (volume) can be simultaneously actuated and exhausted. (Factor 3 in comparison to MPA-S).	Flat design, optimised for CPX terminal.	<ul style="list-style-type: none"> <li>• MPA1 + MPA2 can be mixed.</li> <li>• Pressure sensors can be built-in.</li> </ul>
		<ul style="list-style-type: none"> <li>• Up to 128 solenoid coils.</li> <li>• Separate voltage supply for valves.</li> <li>• Individual duct diagnosis levels 1, 2 and 3.</li> <li>• Web monitor.</li> </ul>

- Reliable operation**  
Manual override non-detenting/detenting or covered
- Selector**  
End block with selector switch for internal/external pilot air.
- Flexible**  
2 ... 64 valve positions (fieldbus)  
4 ... 24 valves (multi-pin)
- Functional**  
Robust metal thread or pre-assembled QS connections
- Features**
  - Easy conversion and expansion thanks to modularity. Fast connection of the manifold blocks by means of three screws.
  - Integrated silencer or ducted exhaust air.
  - Sturdy wall or hat-rail mounting.
  - Electric I/O and fieldbus-connection via CPX modular electric terminal (Profibus DP, DeviceNet, CANopen, Interbus, CC Link, Ethernet/IP, Modbus/TCP).
  - Durable identification by inscription plate holder on the manifold blocks and retainers.
  - Standard air qualities: with 40 µm grade of filtration, filtered, lubricated, unlubricated or inert gases.
  - New diagnostic functions built-in, e.g. undervoltage.

Technical data	
Valve functions	5/2, 5/3, 2 x 3/2, 2 x 2/2 way valve, 1 x 3/2-way valve, with external power supply
Flow rate per valve (depending on fitting)	MPA1: up to 360 l/min MPA2: up to 900 l/min
Pressure range	-0.9 ... 10 bar
Operating voltage	24 V ±25 % (18 ... 30 V DC)
Ambient temperature	-5 ... +50 °C
Supply port	G1/2", QS16, QS12
Working port	MPA1: M7, QS4, QS6 MPA2: G1/4", QS10, QS8
Protection class	IP65

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