

Technology Forum Industrial Hydraulics

Connected Hydraulics
BEYOND
LIMITS 

Connectivity of Hydraulic valves and pumps

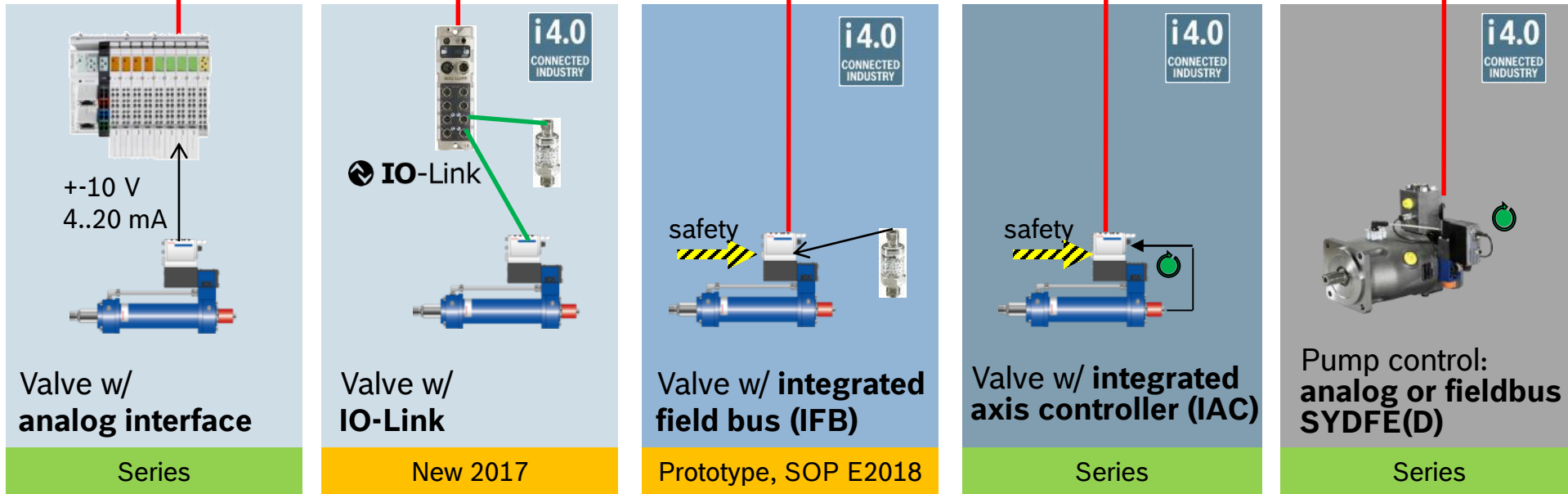
Machine Control




Industry sectors

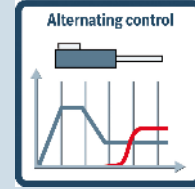
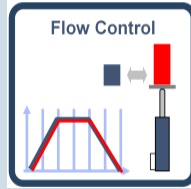
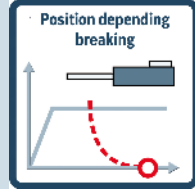
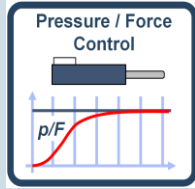
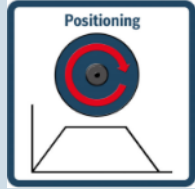


Connectivity



 Identical safety interface for valves (Hardware-signals / safe stop/ safe direction)

Integrated Axis Controller – Multi Ethernet



ETHERNET
POWERLINK

EtherNet/IP™



sercos
the automation bus

EtherCAT™
Technology Group



IAC-Multi-Ethernet

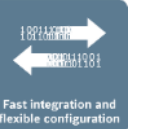


Motion Control from Bosch Rexroth

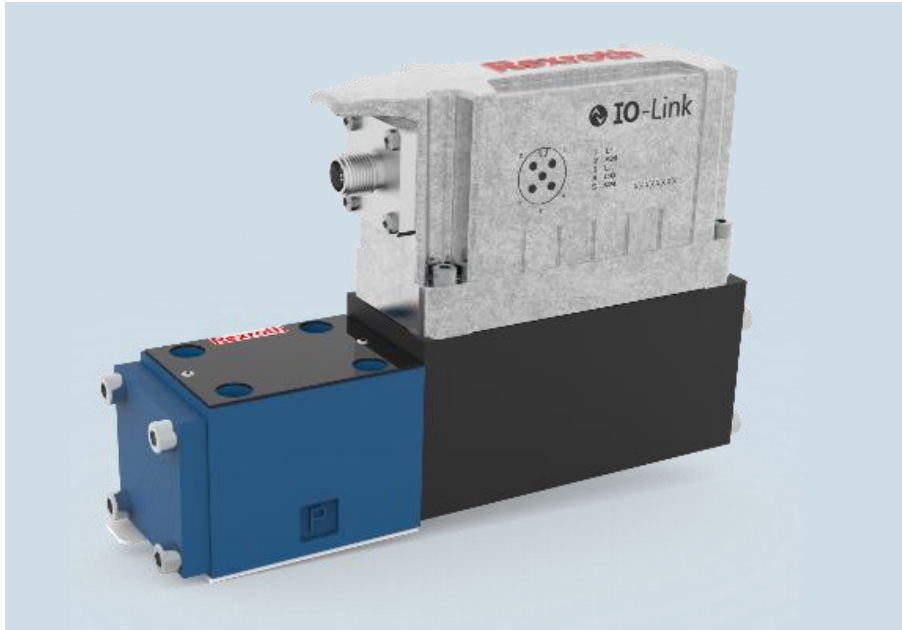
Scalable in

- Software
- Function
- Communication
- Hardware
- Performance

i4.0
CONNECTED
INDUSTRY



IO-Link Device 4WRPEH..3X



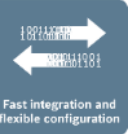
IO-Link Features

- Serial, bidirectional, 24V point to point connection for signal transmission and power supply by M12-plug
- I/O technology standardized worldwide
- Cost efficient possibility for digital connectivity, M12
- Reduced wiring and installation effort, i4.0 ready
- No additional tools required - uses engineering tool of the PLC manufacturer

Valve Features

- 4/4 directional control valves with electrical position feedback, Size 6
- Maximum operating pressure 350 bar
- Rated flow 4...40 l/min ($\Delta p = 70$ bar)
- 1 Ports Class B (5pins), IO-Link Spec 1.1

Use  **IO-Link**
Universal · Smart · Easy



Available
Q3/2017

Proportional valves with digital interface IO-Link

Directional valves

Market
introduction
at HMI 2017



4WRPEH...3X

NG6 SOP
10/2017

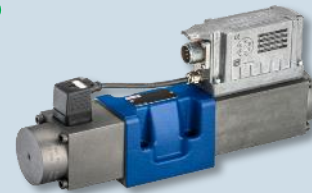


IO-Link

Short-term
available after NG6



4WRPE10...3X



IO-Link

4WRLE...4X



IO-Link

Pressure valves

Future
consideration

Not yet in
progress

DBETA..6X



DREME..6X



(Z)DREE6..1X

