



Improved production efficiency through networked communication

With SMC IO-Link technologies
setting the course for Industry 4.0

Product overview

Let SMC be your system solutions provider on the journey to create smart factories. Our pioneering IO-Link technologies make it easy to start using Industry 4.0 applications.

SMC Deutschland focuses on production plants in their entirety. Regardless of your sector, we develop and deliver complete IO-Link systems – from masters to actuators and sensors – from a single source.

To meet the challenges posed by Industry 4.0 with factory automation and smart factories, SMC is constantly expanding its product portfolio with IO-Link technology to meet the needs of its customers.

Advantages to using SMC IO-Link solutions:

- ▶ **Flexibility:** Modular machine concepts for building new plants or retrofiting
- ▶ **Efficiency:** Less machine downtime and higher product quality thanks to predictive maintenance
- ▶ **Transparency:** Effective process control through networking, higher information density and optimised plant monitoring
- ▶ **Cost-efficiency:** Highly flexible, secure automation solutions in every lot size
- ▶ **Speed:** Easy to integrate components using plug and play
- ▶ **Added value:** Upgrade to Industry 4.0 to increase your competitive ability
- ▶ Partner in the top cluster and technology network „It's OWL“
- ▶ Member in PROFIBUS Nutzerorganisation e.V. (PNO, a user organisation)
- ▶ Member in the IO-Link Community

Visit the IO-Link consortium, where you can see a selection of our products.

Position sensor D-MP

- ▶ Full-scale span: 25/50/100/200 mm
- ▶ Repeat accuracy: 0.1 mm
- ▶ Device

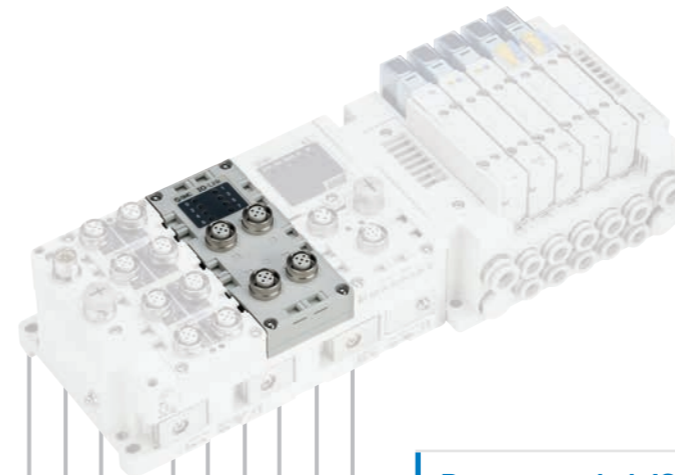
IO-Link for cylinders



IO-Link Master unit EX600

- ▶ Protocol: PROFINET, EtherNet/IP™ (additional modul)
- ▶ Port: Class A / Class B
- ▶ Master

Opens the door to fieldbus protocols



Digital flow meter for water PF3W7

- ▶ Full-scale span: 4/16/40 l/min
- ▶ Device

Media flow control via IO-Link



Digital gap checker with IO-Link ISA3L

- ▶ Rated distance range: 10 to 300 µm
- ▶ Device

IO-Link controls the fit of the workpiece



Pressure switch ISE20B

- ▶ Nominal pressure range: -0.1 to 1 MPa
- ▶ Device

Provides information on air supply



Digital pressure switch ISE70/ISE71

- ▶ Full-scale span: 1/1.6 MPa
- ▶ Device

Convenient air supply control



Digital flow switch for large flow PF3A7

- ▶ Flow range: max: 12,000 l/min
- ▶ Device

Detecting consumption and leakage



Communication module EX260

- ▶ Ports: 32
- ▶ Device

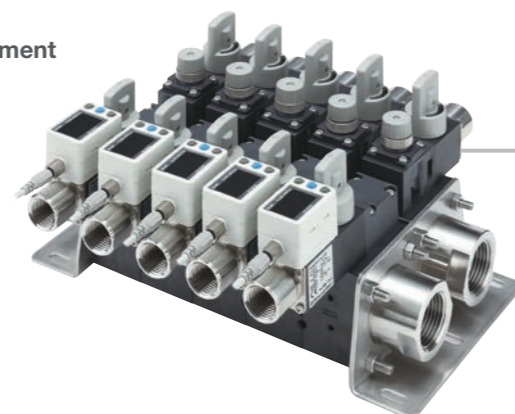
Data bridge to the valve terminal



Digital flow switch for water PF3WB

- ▶ Up to 10 stations
- ▶ Device

Coolant management with IO-Link



Electro-pneumatic regulator ITV10/20/30

- ▶ Control range: 0.1/0.5/0.9 MPa
- ▶ Device

Process control via pressure regulation with the data line



Motor controller JXC

- ▶ Type: Stepper motor
- ▶ Device

Access to all E-axes





Expertise – Passion – Automation

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