IO-Link Compatible Product



SI Unit

SI Unit **EX260-SIL1**



IO-Link version

 Process data length 4-byte output COM3 (230.4 kbps) Transmission speed

Minimum cycle time 0.8 ms

Series	Number of outputs	IO-Link port type	
X260-SIL1	32 outputs	Class B	
		•	

Electro-Pneumatic Regulator

Electro-Pneumatic Regulator

ITV10□0-X395 ITV20□0-X395

ITV30□0-X395



 IO-Link version Process data length 2-byte input/2-byte output

COM3 (230.4 kbps) Transmission speed Minimum cycle time 0.7 ms

 IO-Link port type Class A

Series	Set pressure range	
ITV1010/ITV2010/ITV3010-X395	0.72 to 14.5 psi (0.005 to 0.1 MPa)	
ITV1030/ITV2030/ITV3030-X395	0.72 to 72.5 psi (0.005 to 0.5 MPa)	
ITV1050/ITV2050/ITV3050-X395	0.72 to 130.5 psi (0.005 to 0.9 MPa)	

Step Motor Controller

Step Motor Controller JXCL1



V1.1 IO-Link version

14-byte input/22-byte output Process data length COM3 (230.4 kbps) Transmission speed

 Minimum cycle time IO-Link port type

Series	Number of axes	Compatible motor
JXCL1	1 axis	Step motor (Servo/24 VDC)

IO-Link Master

IO-Link Master EX600-GILB-X60



CC-LINK IE-FIELD ONLY

Process data length

32-byte input/32-byte output (per port)

IO-Link port type

Series	Number of ports	PLC communication protocol
EX600-GILB-X60	4 ports	CC-Link IE Field

Accessories

Please contact SMC for the communication cable with connector



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10-Link Compatible Products

IO-Link



3-Screen Display **High-Precision Digital Pressure Switch** ZSE20B(F)-L/ ISE20B-L Series



3-Screen Display **High-Precision Digital Pressure Switch** ISE7 Series

For Air



Pressure Switch ISE7 ☐ G Series For General Fluids





3-Color Display **Digital Flow Switch** for Water PF3W7







SI Unit EX260-SIL1



Electro-Pneumatic Regulator ITV10 □ 0/20 □ 0/ 30 □ 0-X395



Controller

JXCL1 Series



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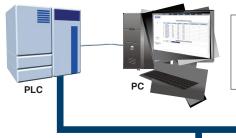
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NCE18-6A AT RRD 2.5M

IO-Link Compatible Products





Configuration File (IODD File*1) · Manufacturer

Set value

*1 IODD File: · Product part no.

IODD is an abbreviation of IO Device Description. This file is necessary for setting the device and connecting it to a master. Save the IODD file on the PC to be used to set the device prior to use.

IO-Link IO-Link is an open communication interface technology between the sensor/actuator and the I/O terminal that is an international

standard, IEC61131-9.

Various fieldbusses

Device settings can be set by the master.

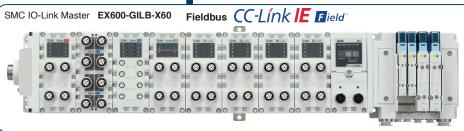
· Threshold value

· Operation mode, etc.

Read the device data. · Switch ON/OFF signal and analog value

· Device information: Manufacturer, Product part number, Serial number, etc.

· Normal or abnormal device status

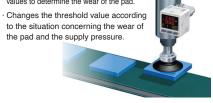




High-Precision Digital Pressure Switch for Air High-Precision Digital Pressure Switch for General Fluids Digital Flow Switch for Water p. 03 p. 03 p. 03 1.6 MPa Series PF3W704 ZSE20B(F) ISE70/ISE71 ISE70G/ISE75G PF3W720 ISE76G/ISE77G PF3W740 ISE20B Process data size 2-byte input 2-byte input 2-byte input 6-byte input OUT2 OUT2

Pressure Sensor (Employs predictive maintenance for For the predictive maintenance of cooling the early detection of declining adsorption capacity)

· Monitors switch ON/OFF signals and analog values to determine the wear of the pad. · Changes the threshold value according to the situation concerning the wear of



Valve SI Unit

EX260-SIL1

4-byte output

Valve output wiring

Valve output wiring

Valve power supply

Reduced magnetic field strength Number of valve operations exceeded

p. 04

Actuator Position Sensor

(For the manufacturing of various machined products)

· Confirms the machining status and workpiece measurements.

Actuator Position

Sensor

D-MP025/D-MP050

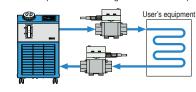
D-MP100/D-MP200

2-byte input

p. 03

water problems

Monitors flow rate and temperature "switch ON/OFF signals" and "analog values" to determine the cooling status. The process and cooling status can be compared.



Valve SI Unit (Employs preventive maintenance to prevent actuator malfunctions)

<Application Example>

· Scheduled cylinder maintenance

Electro-Pneumatic

ITV10□0-X395

ITV20 □ 0-X395

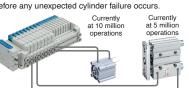
ITV30□0-X395

2-byte input

2-byte output

p. 04

The replacement time of the cylinder connected to the valve can be scheduled based on the valve cycle count. This enables scheduled maintenance to be performed before any unexpected cylinder failure occurs.



Step Motor Controller

JXCL1

14-byte input

22-byte output

Control power supply

Motor control related alarm

Set pressure reached Motor control related alarm

p. 04

Electro-Pneumatic Regulator (For the manufacturing of various products)

Product

Series

Process data size

The set pressure value can be changed to control the indentation pressure applied to each workpiece.



High-Precision Digital Pressure Switch

ISE7□/7□G

Pressure Switches

ZSE20B(F)-L/ISE20B-L



IO-Link version

Class A

 Process data length 2-byte input COM2 (38.4 kbps) Transmission speed

 Minimum cycle time 2.3 ms IO-Link port type Class A

Series	Applicable fluid	Туре	Rated pressure range
ISE70	Air	Positive pressure	0 to 145 psi (0 to 1 MPa)
ISE71			-0 to 232.06 psi (0 to 1.6 MPa)
ISE70G	Air General fluids		-0 to 232 psi (0 to 1 MPa)
ISE75G			-0 to 290 psi (0 to 2 MPa)
ISE76G			-0 to 725.2 psi (0 to 5 MPa)
ISE77G			-0 to 1450.4 psi (0 to 10 MPa)

Digital Flow Switch

Digital Flow Switch for Water

PF3W7□



 IO-Link version V1.1 Process data length 6-byte input

COM2 (38.4 kbps) Transmission speed

 Minimum cycle time 3.5 ms IO-Link port type Class A

Series	Applicable fluid	Rated flow range	
PF3W704-X445		0.018 to 0.14 cfm (0.5 to 4 L/min)	
PF3W720-X445	-	0.07 to 0.56 cfm (2 to 16 L/min)	
PF3W740-X445		0.18 to 1.41 cfm (5 to 40 L/min)	

Position Sensor

Actuator Position Sensor

Actuator stroke position is output with an analog signal.

D-MP025 D-MP050 D-MP100 D-MP200



 IO-I ink version Process data length
2-byte input

COM3 (230.4 kbps) Transmission speed Minimum cycle time 1.0 ms

 IO-Link port type Class A

Series	Measurement range
D-MP025	0.98 inches (25 mm)
D-MP050	1.97 inches (50 mm)
D-MP100	3.93 inches (100 mm)
D-MP200	7.87 inches (200 mm)



 Process data length
2-byte input Transmission speed COM2 (38.4 kbps) Minimum cycle time 2.3 ms

IO-Link port type

Series	Applicable fluid	Туре	Rated pressure range
ZSE20BF-L		Compound pressure	-14.5 to 14.5 psi (-100 to 100 kPa
ZSE20B-L	Air	Vacuum pressure	0 to -14.5 psi (0 to -100 kPa)
ISE20B-L		Positive pressure	0 to 145 psi (0 to 11 MPa)