

SIPART PS2

Product Data Sheet

6DR5010-0EN01-0AA0

Electropneumatic valve positioner

SETPOINT SIGNAL	ELECTRICAL CONNECTION	MINIMUM SUSTAINING CURRENT	INPUT TEST VOLTAGE
4 to 20 mA	2-wire	3.6 mA	840 V DC for 1 s

Siemens 6DR5010-0EN01-0AA0 is a SIPART PS2 electropneumatic positioner for compatible pneumatic control-valve actuators. It converts the 4 to 20 mA setpoint into regulated actuator position for industrial process flow control.

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VERIFIED TECHNICAL DATA

Setpoint signal	4 to 20 mA
Electrical connection	2-wire
Minimum sustaining current	3.6 mA
Input test voltage	840 V DC for 1 s
Linear actuator stroke	3 to 130 mm
Part-turn actuator angle	30 to 100°
Air supply pressure	1.4 to 7 bar
Air quality	ISO 8573-1 Class 3
Pressurizing flow	4.1, 7.1 and 9.8 Nm³/h at 2, 4 and 6 bar
Exhaust flow	8.2, 13.7 and 19.2 Nm³/h at 2, 4 and 6 bar

ADDITIONAL PRODUCT DATA

Pneumatic leakage	Less than 0.0006 Nm ³ /h
Controlled-state air consumption	Less than 0.036 Nm ³ /h
Sound pressure	LAeq below 75 dB; LAmax below 80 dB
Actuator fixing torque	5 Nm part-turn; 12 Nm linear
Enclosure protection	IP66

DOCUMENTED USE SETTINGS

Chemical Process Production and Material Conversion: Chemical Flow Process Regulation.

Water Supply Treatment and Wastewater Processing: Drinking Water Process Treatment.

Thermal Power Generation and Heat Production: Steam Generation Process Regulation.

SYSTEM COMPATIBILITY

Siemens 6DR5010-0EN01-0AA0 is a SIPART PS2 electropneumatic positioner for compatible pneumatic control-valve actuators. It converts the 4 to 20 mA setpoint into regulated actuator position for industrial process flow control.

PRODUCT EVIDENCE

SIPART PS2 Compact Operating Instructions, 09/2020, A5E03436620-AF

AMIKON PRODUCT SUPPORT

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