

SIPART PS2 PA

Product Data Sheet

6DR5510-0EG00-0AA0

Single Acting Electropneumatic Positioner

BUS SUPPLY RANGE	TYPICAL BUS CURRENT	COMMUNICATION PROFILE	CONTROL CYCLE TIME
9 to 24 V, intrinsically safe execution	10.5 mA $\pm$ 10%	PROFIBUS PA profile B, version 3.0	60 ms

Siemens 6DR5510-0EG00-0AA0 is a single-acting SIPART PS2 PA electropneumatic positioner. It positions compatible pneumatic control valves through PROFIBUS PA in engineered process-control applications.

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VERIFIED TECHNICAL DATA

Bus supply range	9 to 24 V, intrinsically safe execution
Typical bus current	10.5 mA $\pm$ 10%
Communication profile	PROFIBUS PA profile B, version 3.0
Control cycle time	60 ms
Linear actuator travel	3 to 130 mm
Rotary actuator angle	30 to 100°
Selectable deadband	Automatic or 0.1 to 10%
Position resolution	0.05% maximum
Transmission error	0.2% maximum
Supply-air pressure	1.4 to 7 bar

ADDITIONAL PRODUCT DATA

Steady-state air consumption	0.036 Nm³/h maximum
Enclosure protection	IP66 / NEMA 4X
Pneumatic connection	G¾ female thread
Electrical cable gland	M20 x 1.5
Operating ambient by temperature class	T4: -30 to 80 deg C; T5: -30 to 65 deg C; T6: -30 to 50 deg C

DOCUMENTED USE SETTINGS

Water Supply and Municipal Wastewater Treatment: Municipal Water Treatment Processes.

Chemical and Petrochemical Manufacturing and Production: Industrial Chemical Batch Production.

Electric Power Generation and Energy Production: Thermal Electric Power Generation.

SYSTEM COMPATIBILITY

Use 6DR5510-0EG00-0AA0 in its documented SIPART PS2 PA arrangement. Compare the installed connections and controlled system configuration before integrating the supplied item.

PRODUCT EVIDENCE

Siemens SIPART PS2 PA Manual A5E00127926-05; dimensional drawing p.45, technical data pp.162 to 164, ordering data pp.168 to 169

AMIKON PRODUCT SUPPORT

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